

AVERY
CLASSICS

AT
4702

P381
- 1908

F

1869

THIRTY-SEVENTH SERIES

1908-9

L. LEWIS SAGENDORPH, PRESIDENT

F. E. SAGENDORPH, VICE-PRESIDENT

SAMUEL D. HAGNER, SECRETARY AND TREASURER

GEO. A. SAGENDORPH, MANAGER AND CASHIER, NEW ENGLAND DEPT.

THE PENN METAL CEILING AND ROOFING COMPANY LIMITED

PHILADELPHIA, PA.

NEW YORK, N. Y.

BOSTON, MASS.

SOLE MANUFACTURERS OF

SAGENDORPH'S PATENT

Metal Sectional Ceilings and Side Wall Decorations

Suitable for Churches, Amusement Halls, Hospitals, Asylums, School Buildings, Theatres,
Stores and Dwellings of All Classes

Main Office and Factory

TWENTY-THIRD AND HAMILTON STREETS
PHILADELPHIA, PA.

SIDE WALLS, WAINSCOTING
AND CEILINGS

From the plainest to the most elaborate,
When properly applied and tinted, their
equal cannot be found.

After first cost is met, all expenses cease,
and nothing but the destruction of the
building will damage this class of work.



PRESS OF
MC LAUGHLIN PRINTING CO., LIMITED
12 AND 14 S. ORIANA STREET
PHILADELPHIA

TELEPHONE CONNECTION

CABLE ADDRESS: "PENNCEIL"

WESTERN UNION TELEGRAPHIC CODE

A B C CODE, 4th EDITION



DIRECTIONS FOR ORDERING



T is our custom and preference to put up our ceilings in Philadelphia, New York, Boston and vicinity, although we will furnish competent mechanics and artists to put up and decorate our work in any section of the United States. But we have found that a good mechanic and painter can usually do good work, as is attested by the number of ceilings we ship, to be put up that way.

When making inquiry for a design or plan for a ceiling, or in ordering one, always bear in mind the following rules:

Give exact measurements (from architect's plan, if possible), showing all openings and offsets, stairways, elevator openings, and give exact position of all chandeliers or other drops in ceiling; also state if Cornice or Cove is wanted, and how deep same shall extend down on wall, and if a Frieze below the Cove Mould is wanted. In all work we prefer architect's plans, or make pencil sketch; also in Church work, which has our particular attention.

If the building is an old one and the ceiling plastered, it can be put on without removing the plaster, by securing the furring strips with longer nails. If there is already a plaster cornice in the room, it can be covered by a metal one or used in terminating the plates against it.

For erecting the ceiling plates, the joists or old ceiling should be furred with strips $\frac{7}{8}$ inch thick by 1 inch wide (for shallow panels and reeded panels), for all medium or deep-stamped plates with deep mouldings, it should be furred with furring strips $1 \times 1\frac{1}{8}$ inches, $1 \times 1\frac{1}{2}$ inches, $1\frac{3}{8} \times 1\frac{1}{8}$ inches, $1\frac{1}{8} \times 1\frac{1}{8}$ inches, depending on the style used.

All ceilings are carefully crated and a list of all materials marked on the packing slip.

The weight (crated) is 70 to 85 pounds to 100 square feet.

All stock primed one coat (light color), each side, before shipping.

NOTE.—Quotations on Complete Ceilings or Side Walls do not include Wood Furring Strips, Solid Sheathing, or Nails to apply same; these and Zinc Center Pieces, Zinc Drop Blocks and Zinc Ornaments are charged extra.

* * *

If ordered, material will be shipped according to the drawing. Check measurements from building, with our plans, if possible, as we will not be responsible for shortage caused by error in dimensions given us, or from miscuts or waste caused by the mechanic.

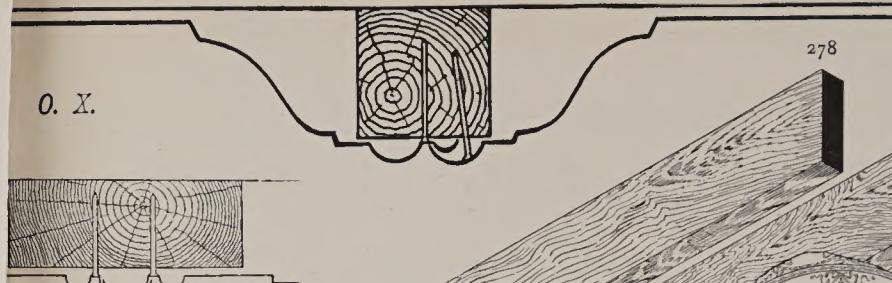
* * *

NOTE.—Quotations on Complete Ceilings or Side Walls include all Metal Plates, Mouldings, and Coves, and Nails for applying the Metal.



Moulding on Plates, $1\frac{1}{4}$ inches deep. Size of Furring, $1\frac{1}{8} \times 1$ inch.

83



Bead Lap Joint

ost
p an
goo
iling
mind
sets
also
ieze
also
ter,
can
by
ep
es, ³
m
1
m

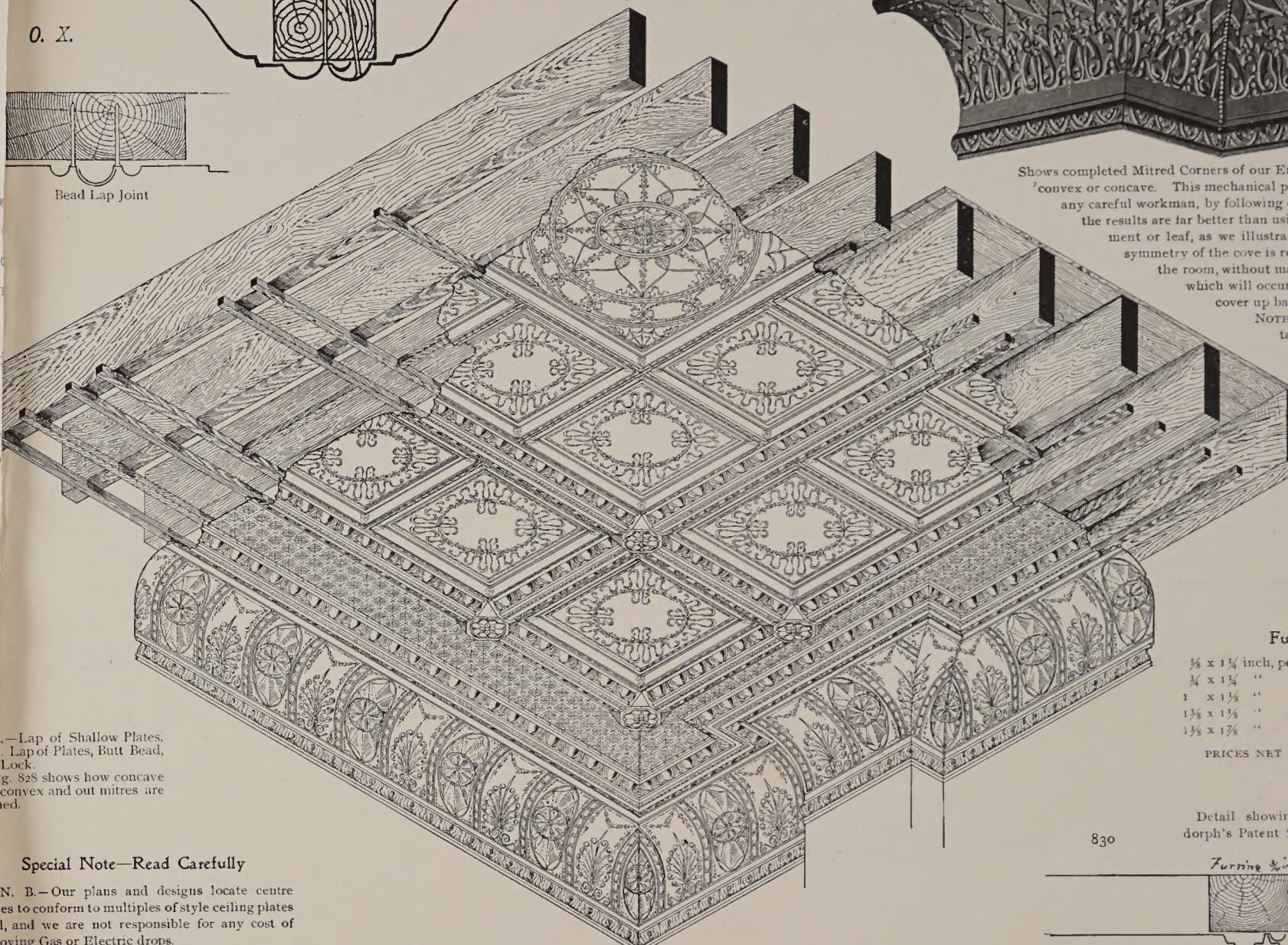
Fig. 828 shows how concave and convex and out mitres are made.

Special Note—Read Carefully

N. B.—Our plans and designs locate centre pieces to conform to multiples of style ceiling plates used, and we are not responsible for any cost of removing Gas or Electric drops.

This work is extra and belongs to the owner or
the contractor of the building.

278



三

828



Shows completed Mitred Corners of our Enriched Coves of any style, convex or concave. This mechanical process can be perfected by any careful workman, by following our directions, page 4, and the results are far better than using a stamped corner ornament or leaf, as we illustrate in the above cut. The symmetry of the cove is retained around the sides of the room, without marring the effect of the cove which will occur if ornaments were used to cover up bad workmanship.

NOTE.—When ordering, please take dimensions from floor plan, showing openings, offsets or projections. We make our plans bottom up looking downward. Locate near as possible gas or electric light drops. Always estimate 140 lineal feet of furring strips to 100 square feet of ceiling. Give distance from top of window casings to the ceiling.

Furring Strips

$\frac{5}{8} \times 1\frac{1}{4}$ inch, per 100 lineal feet,	\$0.30
$\frac{3}{4} \times 1\frac{1}{4}$ " " " " 35	
$1 \times 1\frac{1}{8}$ " " " " .40	
$1\frac{1}{8} \times 1\frac{1}{8}$ " " " " .65	
$1\frac{1}{8} \times 1\frac{1}{8}$ " " " " .90	

PRICES NET F. O. B., PHILADELPHIA
OR BOSTON

Detail showing construction of Sagen-dorph's Patent Sectional Metal Ceilings.

Experiments 311-312

O. R.

Our Butt-Bead Under-Lap Joint Countersunk



Directions for Putting up Sagendorph's Patent Sectional Steel Ceilings and Side Wall Plates. Also Directions for Decorating

THE following directions apply to all styles, whether applied direct to the studding, joist, over close sheathing, or plastered ceilings or walls. Blue prints of working plans are always furnished, and the first rule, viz.: Take the blue prints and study them carefully, have your men strike the center line in your ceiling or side wall both ways (locating the center pieces from these center lines, if any centers are used). If not, then use the center line for the first ceiling plate. Strike off your furring strips at centers running lengthwise of the room. Nail up the lengthwise furring strips, and have ceiling plate handy to mark off the cross furring strips, and toe-nail these in as you go along, as shown on blue print, always observing that the furring strips, lengthwise or crosswise, are centered exactly to the centre of the ceiling plates, both crosswise or lengthwise furring. When center pieces are shown on blue prints, fur out from center line for the mounted centers, and put these in place first; then work from these center pieces on all four sides with your plates (after the furring is all up) out to the last ceiling plate required up to the time that you are to use the stiling, or to the terminus of the plates shown in plans, not nailing the outer edge of the plates last laid. When you have reached this point and all of the plates are in place, then put up your wood brackets for the cove or the cornice (whichever style is used), and strike the line for your furring strips that go at the top of the cove; nail this furring strip in place all around the room, and after this is finished, take the first piece of cove or cornice, and put it in place at one of the right angles of the room, first nailing up wood strip. Furring on side wall at bottom of cove or cornice drop, to receive foot mould or bottom of cove (size furring used, $\frac{5}{8} \times 1 \frac{1}{8}$ strip nailed to side wall). When you meet the next concave corner, butt the cove plumb against the adjoining side wall, then take a piece of the cove and mark the angle to cut to the curve, and cut it exact, and butt it into the curve of the first piece put up, making a neat bead line finish, and this meeting of the cut parts of the cove that butt against the first part is covered with a small bead strip (see Figs. 1 and 2), bent to curve to the concave shape, and nailed top and bottom

to the cove (see page 3, Fig. 828). Also Fig. 278, detail construction. On an outer miter or convex corner, you carry the cove to the corner, and cut it at the angle of the curve, exact, even, and flush with the curve line convex; then put up the second piece of cove and mark it, and cut it in the curvature $\frac{1}{4}$ " longer than the net measurements over the projection of the first piece. After this is cut and fitted, nail it to its place, leaving $\frac{1}{4}$ " project over the first piece in place. Snip this $\frac{1}{4}$ " projection $\frac{1}{4}$ " every 1" or 2" apart, and then carefully, with the help of a hammer and pliers, bend and turn it over the adjoining piece neatly, and, to finish it perfectly, putty the edges flush (see Fig. 828, page 3). After your cove is up, then put your stiling up, according to blue prints, letting one edge run under the outside edge of all your plates (and the other edge of the stiling reach to fit on top of flange on moulding strip or cove, as shown in print). The panel strip that joins the stiling and the upper edge of cove together. After the cove is up, take the panel strip (if one is used) that has one margin on and one off. The side with the margin off fits on top of the edge of the cove at the bead center of the furring strip, so as to nail inside of the bead at the top of the cove up through to the furring strip. The other side of the panel strip with the margin on fits under the edge of the stiling. Opposite edge of stiling goes under last ceiling plate laid, and reaches to the furring strip under the upper edge of ceiling plate. As you meet at right angles in applying the moulding strips, they are to be mitered in or out. It must be done neatly, and, with the assistance of a little putty, will look like a continuous piece of work. The inside edge of the stiling passes under the moulding edges of the plates last laid, out to the moulding edge on cove ceiling line; then nail the outer edges of the plates through the stiling into the furring strips. Cross laps or seams of the stiling are covered with the same bead mould as used for finish on concave cove joint (see Figs. 828 and 278, page 3), either on a straight or mitered lap. When rosettes are required at meeting corners of plates, apply them as you put the plates in place. The last article to put in place is the foot mould or panel mould at the bottom of the cove. Commence at a right-angle corner with all coves or cor-

nices, and follow it around complete until you meet commencing point. For side walls, if the furring or sheathing is done over plaster or studding, the same rules are observed. If close sheathing is used, then you have no center lines to strike for furring, but you want the center line to work by, taking one plate or sheet as a guide (any size that is used in the design). Working from the blue prints to put up the furring, it is always advisable to have one of the plates with you on the staging. This will insure the exact distance of centers of each size of plate you are using.

When the steel work is all up and ready for decorating
The first coat of paint should be of the best quality white lead or zinc, reduced with $\frac{1}{3}$ raw oil and $\frac{2}{3}$ turpentine, with a little (best quality) Japan drier. Apply first coat, and have it as heavy a consistent with smooth work. On the second coat the lead or zinc can be tinted in parti-colors to any shade desired for the body (and as it is being second coated, wherever it is necessary to close up a small cut or seam which the workmen have not mechanically formed, a little putty can be used). The second coat material can bring the work out flat or glossy, as desired by adding oil or omitting it (and replacing it with turpentine). Shading of the mouldings on their face or raised work is done after the second coat is applied. Two-coat work of good lead or zinc is all that is necessary to paint our steel work after it is put in place. Where solid colors are desired, it is advisable to use the best materials, and of a consistency that will give the work a heavy body of paint. The best results are obtained in a flat finish rather than a gloss, and the last work of the decorator is in adding the bronze or gold leaf, when desired. This character of work in cost is governed by the amount of time spent in bringing out the configurations, moulding, centers, etc., as desired, and the number of different colors or shades wanted, averaging from 2 cents to 12 cents per square foot.

Aluminum leaf or gold leaf, extra from above prices. Prices differ and vary according to the location and reputation of the decorating firms.



THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

Sections of Coves and Ceiling Plates with Furring Strips. Applies to all the Styles we Manufacture

Subject to change in Projections on Ceiling Line and Drop on Side Wall. Dimensions given below are based on width of top and bottom Moulding shown in various illustrations of Cove. All Styles subject to change in Girth, Projection, Drop and Size or Style of Moulding used.

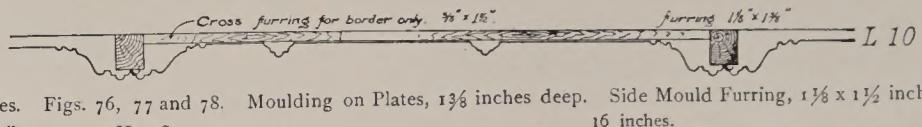
Wood Brackets, Net

For Cornice or Coves, and Beam Moulding, etc. Longest way of width required.

2-inch	3 cents.
3-inch	3½ "
4-inch	5 "
5-inch	6 "
6-inch	8 "
7-inch	9 "
8-inch	10 "
9-inch	11 "
10 and 11-inch	15 "
12 to 15-inch	20 "
16-inch	25 "

Extra Strips

For Cove and Styling, used with Bead, Shallow or Deep Mould Plates. Size, $\frac{3}{4} \times 1\frac{3}{8}$; $\frac{3}{4}$ and 1 x $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inches.



Cross Furring for Border Mould Plates. Figs. 76, 77 and 78. Moulding on Plates, $1\frac{3}{8}$ inches deep. Side Mould Furring, $1\frac{1}{8} \times 1\frac{1}{2}$ inches. Cross Furring, $\frac{3}{8} \times 1\frac{1}{4}$ inches.

Wood furring strip $1\frac{1}{8} \times 1$

H-8



Our deep plates with Butt Bead Under Lap

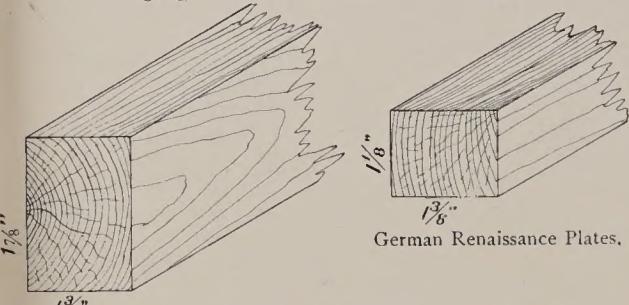
Section of Empire Plate, dove-tail lock joint and furring strips. $1\frac{1}{8} \times 1$ inch square.

Furring and Lap of Plates, with Butt Bead Under Lap

O-G

O-C

R 15

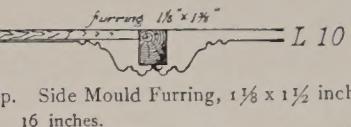


Colonial Deep Mould Plates, extra deep.

When Not Obtainable in Place Wanted, We Can Furnish Same at Prices named above, Net, F. O. B., Philadelphia or Boston

Solid Sheathing

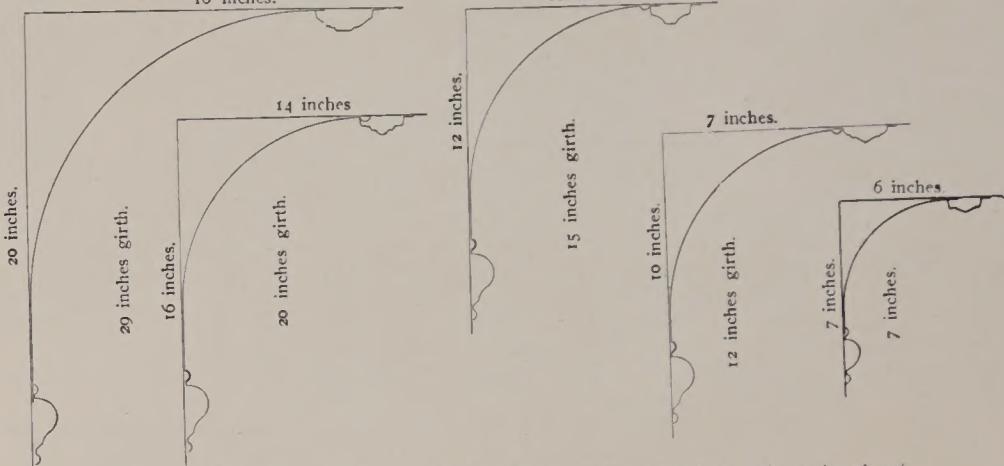
$\frac{3}{4}$ in. thick x 4 to 12 in. wide, \$2.25
$\frac{3}{4}$ in. net per 100 square feet, 3.00
$\frac{3}{4}$ in. thick, 100 " " 3.50
1 in. " 10 " " 4.00



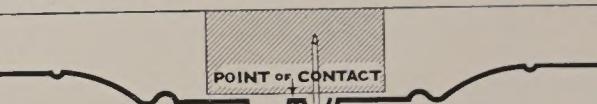
Steel Wire Barbed Nails

(Oval or Flat Head)	
$\frac{3}{4}$ inch, No. 17 B,	per lb, 9c.
" " 17 B,	" 8½c.
1½ " 1 B,	" 8c.
1½ " 16 B,	" 8c.
1½ " 16 B,	" 7½c.
2 " 14 B,	" 7c.
2½ " 14 B,	" 5c.
3 " 9 B,	" 5c.
3½ " 9 B,	" 4½c.
4 " 9 B,	" 4½c.

Prices Net, F. O. B., Philadelphia or Boston



Moulding on Plates, $1\frac{1}{4}$ inches deep. Size of Furring, $1\frac{1}{8} \times 1\frac{3}{8}$ and $1\frac{1}{8}$



Wood Furring Strip, $\frac{3}{4} \times 1\frac{1}{4}$ ins. Size Furring, $\frac{5}{8}$ or $\frac{3}{4} \times 1\frac{1}{4}$

Show furring & furring to
get continuous edges.

and all Bead Plates
Figs. 18, 19, 20, 21, and 74-129 P. 44

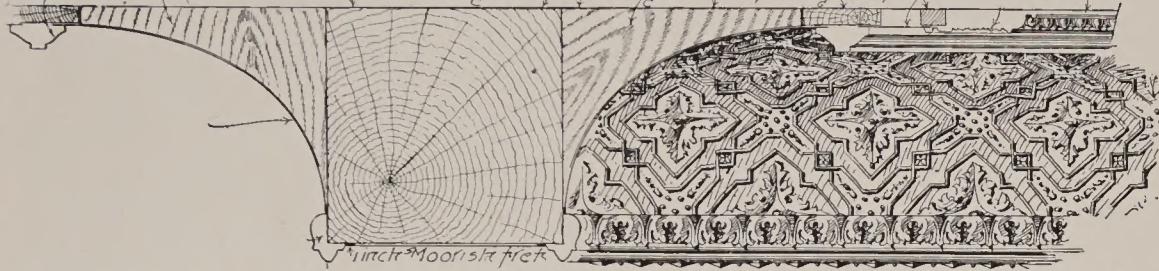
N. 12.

Furring for all our Bead Mould Plates, and all continuous work.

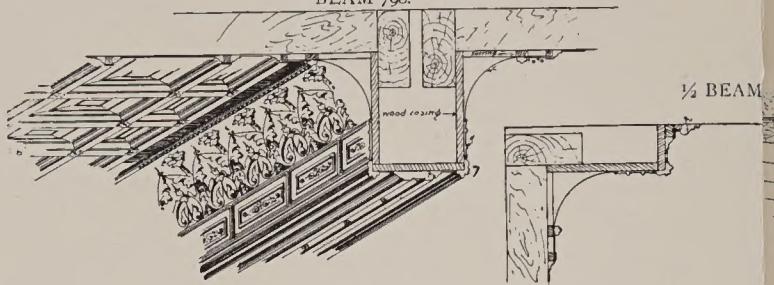
Beam or Girder Coverings

VARYING IN SIZES, BOTH WIDTH AND DROP.

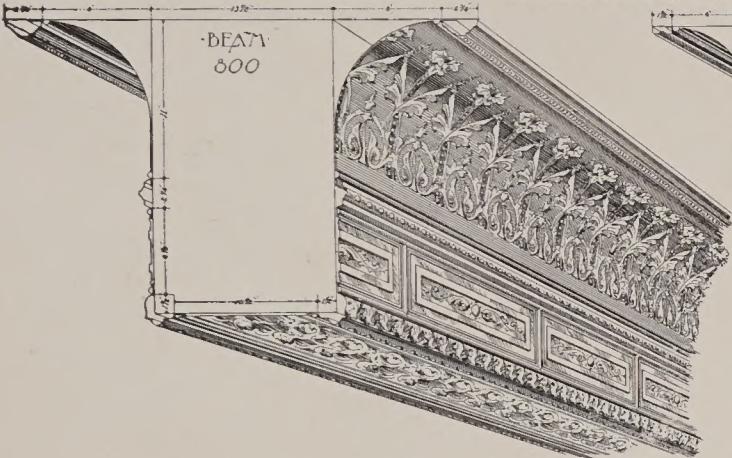
BEAM 799.
12x12 drop girder, ceiling line, putting strips.



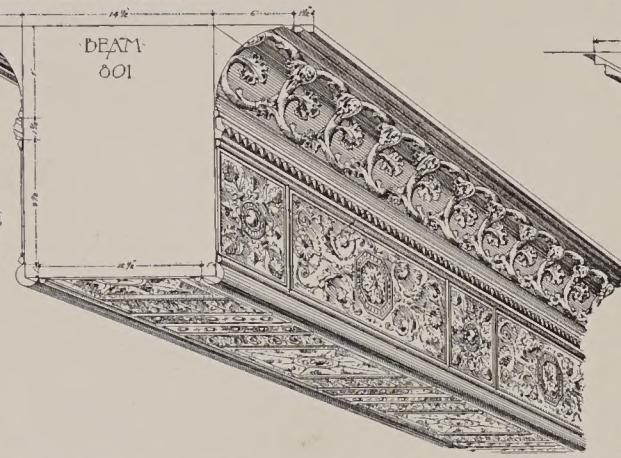
BEAM 798.



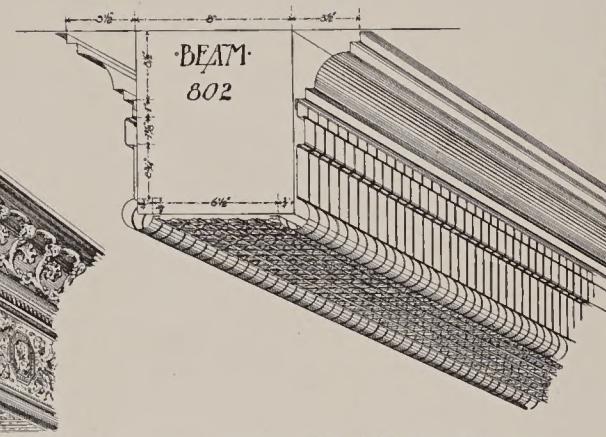
BEAM 800



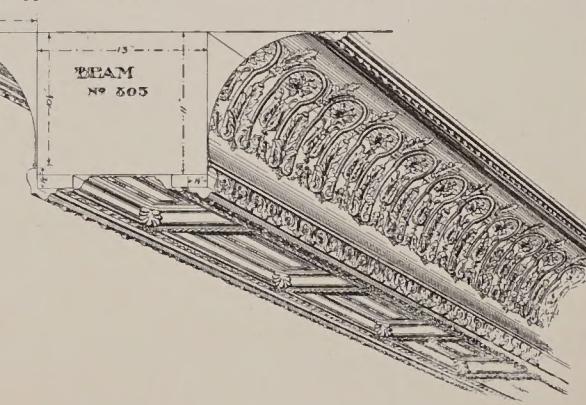
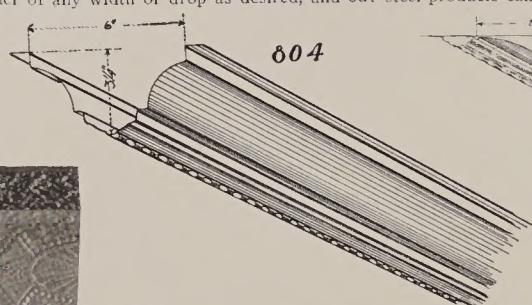
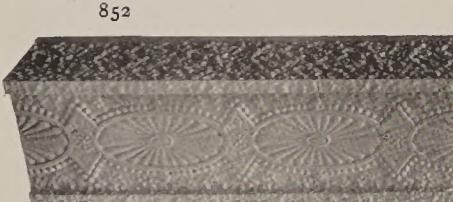
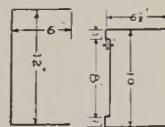
BEAM 801



BEAM 802



Beam may be actual or a skeleton frame, encasing iron beam or girder of any width or drop as desired, and our steel products can be applied to the same in harmony with designs in ceiling proper.



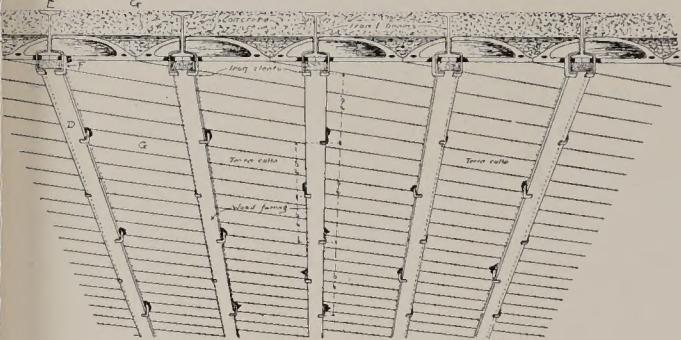
Girder Covering formed from Fig. 801.
Sizes of girth can be changed to suit Girder work.

Special sizes and designs furnished when specified

Means for Securing Wood or Metal Furring Strips to Metallic Beams or Girders

Patented October 4, 1898. No. 611,796.

832



Plan No. 1

Plan No. 1 as Noted in
Fig. 832.

- D Wood strip.
- E Iron I beam.
- F Iron clip.
- G Concrete.
- G Terra Cotta.
- H Wire nail.

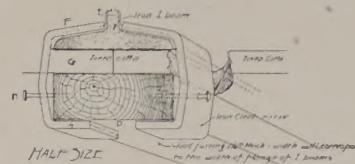
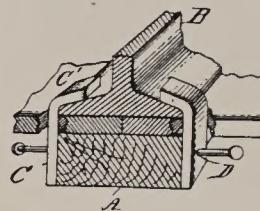


Fig. 1.



Plan No. 2 as Noted in Fig. 833.

Fig. 1. Perspective view, partially in section, representing the cleat and other features of the invention applied to an iron beam and supporting the furring timber.

Fig. 2. A perspective view, showing the furring strips applied to their supporting timber and the cleats in position on the I beam.

A designates the beam of timber to which the furring strips are nailed.

B designates the metallic I beams of a ceiling, and *C C* the parts of the cleat. The cleats consist of a flat bar or strip of metal bent or folded at an obtuse angle between its ends, so that its upper portion *C* may rest on the incline surface of the lower flange on the side of the I beam, while its lower portion is vertical and adapted to fit snugly against the edge of a board or timber *E*, of the width of the flange portion of the I beam. The cleat is pierced at *D* for the intersection of the nail or spike to fasten it to a board or timber *A*.

Fig. 1. *A* wood furring strip.

B Iron beam.

A As in design, Fig. 6.

A Ground work of furring strip to receive the metal plate.

B Cross furring strips.

C Intersecting furring strips.

D Ground work of furring strip to I beam.

E Iron beam.

F Iron clips.

G Metal cleat.

G Concrete placed above the terra cotta arching for flooring, filling, or otherwise.

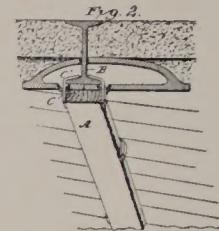
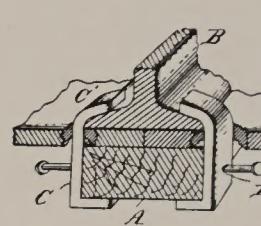
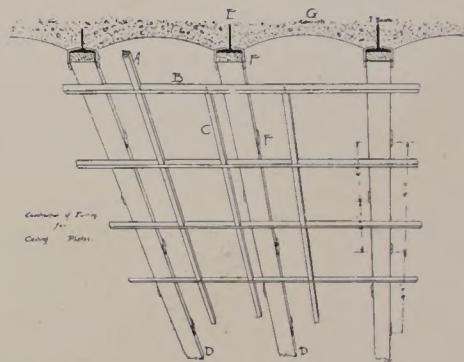


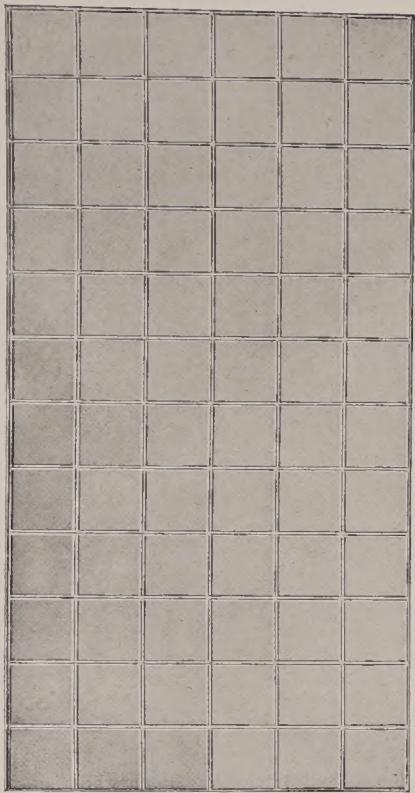
Fig. 3.



833



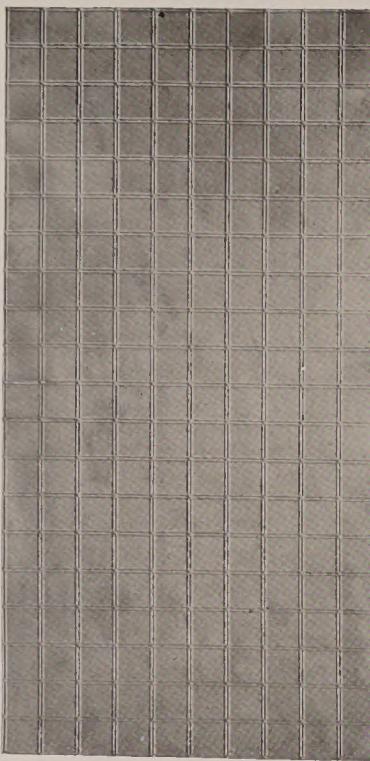
Plan No. 2



4-inch Plain Mortar Line Tile. Size, 24 x 96 inches.
Countersunk Joint.



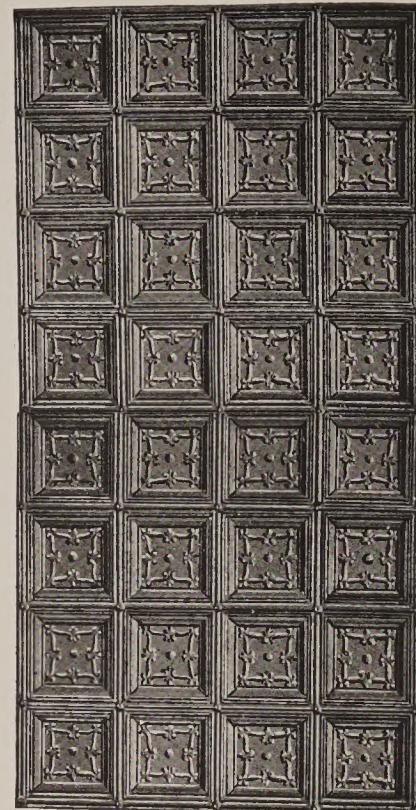
Stipple Work. Girder Frieze or Border. Size 24 to 30x96 to 120 inches.



2 3/4-inch Plain Mortar Line Tile.
Size, 24 x 96 inches.



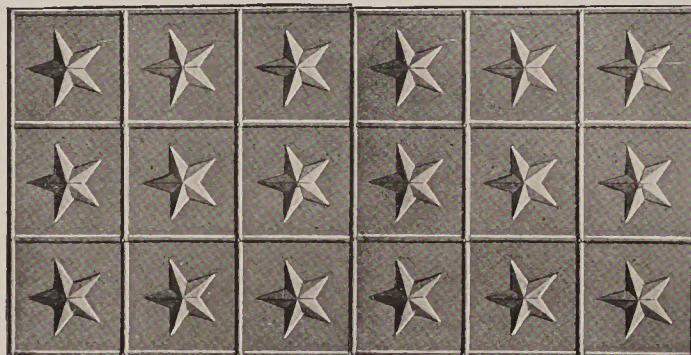
ITALIAN RENAISSANCE, No. 1. Size, 28 x 96 inches.
Side-Wall, Ceiling or Cove.
Flat Margin Butt Lap.



Made in sheets 24 x 98 inches long. Pattern is
6 x 6 inches, 7/8-inch deep.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS



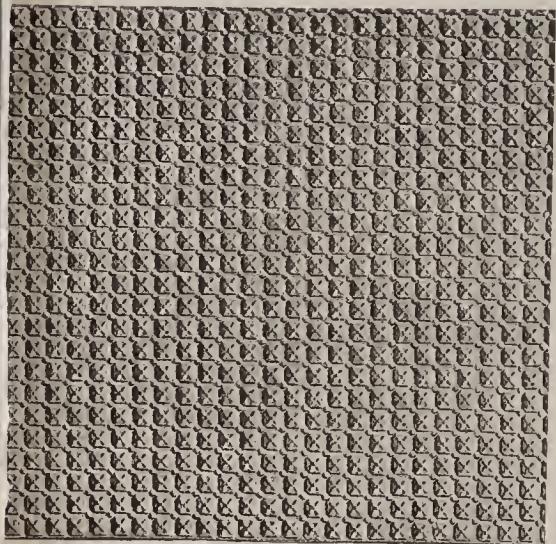
Star Ceiling or Side Wall. Size, 24x96 inches. Bead Lap.

Continuous Ceiling or Side Wall Sheets

435

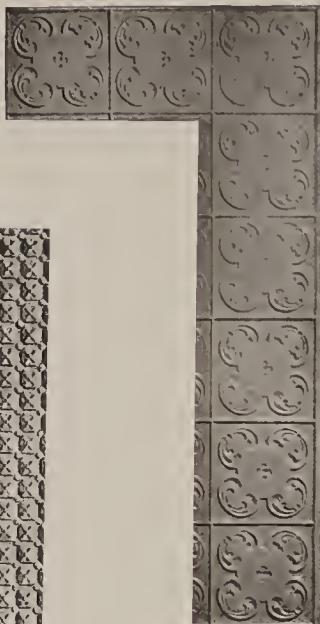


50



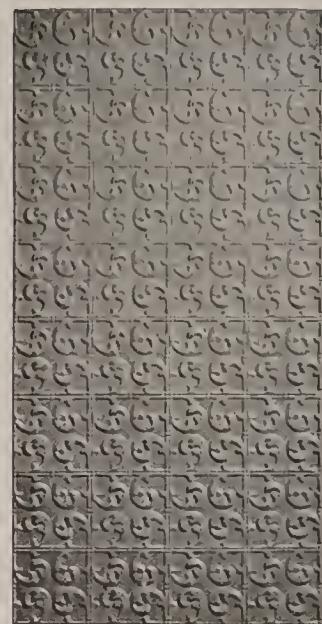
MOORISH DIAPER, No. 2. Size, 28 $\frac{3}{4}$ x 98 inches.
Side-Wall Ceiling, Filler or Cove.

436



8 inch squares.
Joint.

437



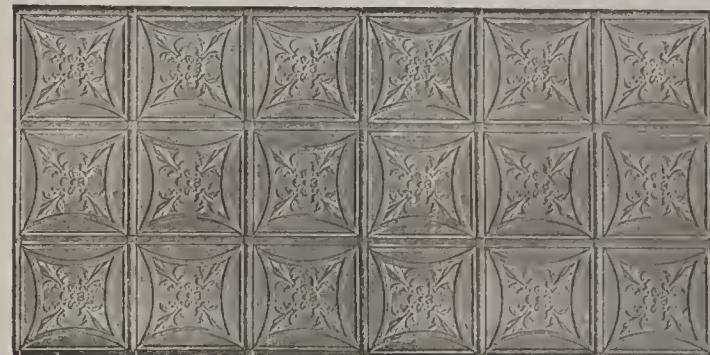
24x96 inches.
Countersunk Joint.

702



24 x 96 inches. 6 x 6 inch squares.
Countersunk Joint.

11



Ceiling Sheets. 3-inch Beaded and Cross Reeds.
Made Smooth Between Beads When Desired. Bead Lap.
Size 24x96 inches.

Continuous Side Wall or Ceiling Sheets

597



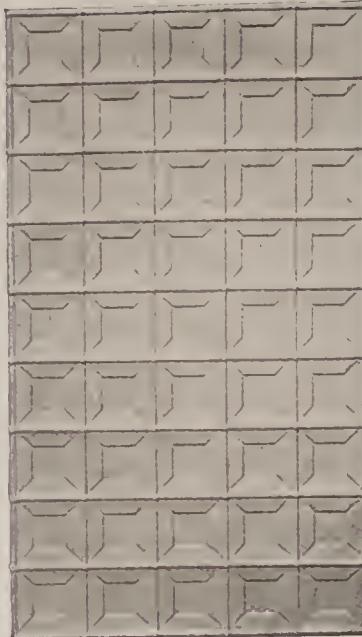
Field Ceiling Plate. Size, 24 x 96 inches.
Bead Lap.

55



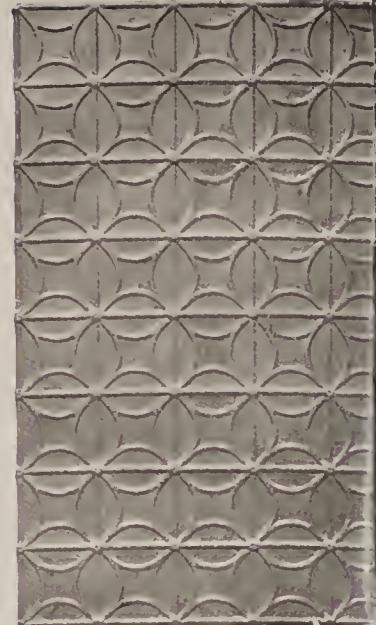
MOORISH DIAPER, NO. 1. Size, 28 $\frac{3}{4}$ x 96 inches.
Side-Wall, Ceiling, Filler or Cove.
Flat Margin Lap.

596



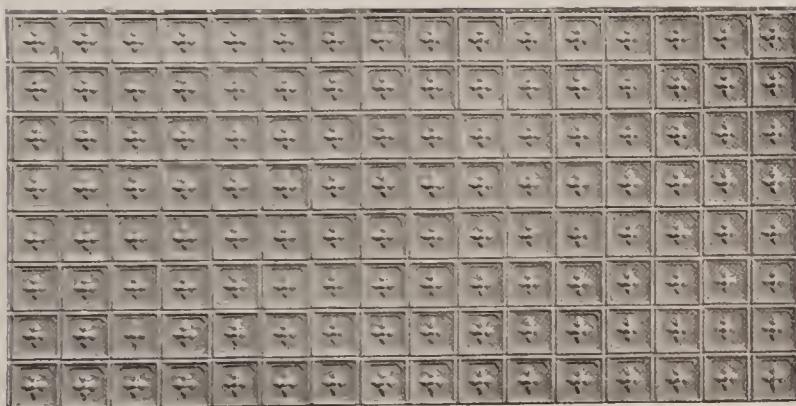
Field Ceiling Plate. Size, 24 x 96 inches.
Countersunk Joint.

600



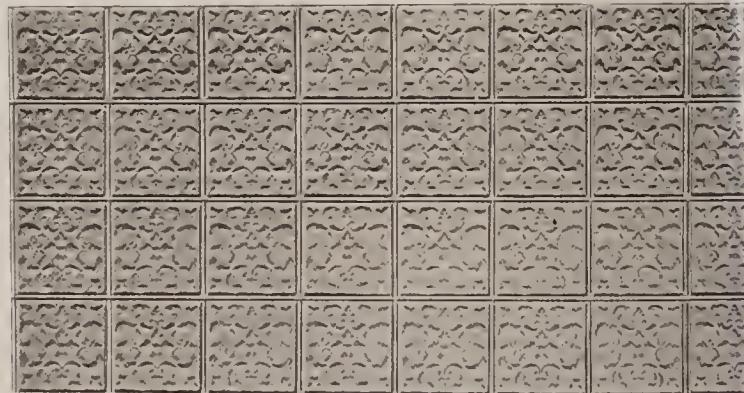
Field Ceiling Plate. Size, 24 x 96 inches.
Bead Lap.

116



3x3-inch Tile in Sheets 24x96 inches. Countersunk Joint.

51



RENAISSANCE. Size, 24 x 96 inches. 6 x 6 inch squares Countersunk Joint.



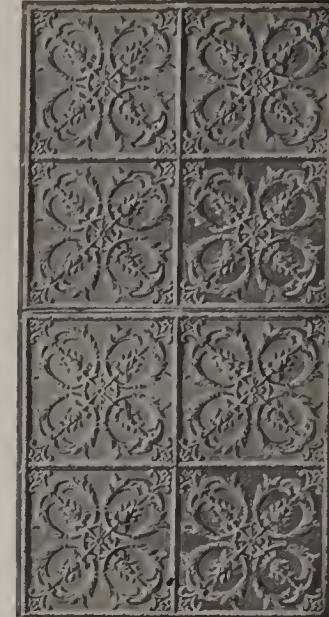
Rococo Panel, Shallow.
 $\frac{5}{8}$ inch deep. 24x96 inches.
 Countersunk Joint



24x96 inches.
 Countersunk Joint



Field Plate. 24x96 inches.
 Countersunk Joint.



24x96 inches.
 Countersunk Joint



SUPPLIED WITH BUTT COUNTERSUNK JOINTS



Ceiling Field Plate. FRENCH RENAISSANCE. Size, 24 x 48 inches.
 Countersunk Joint



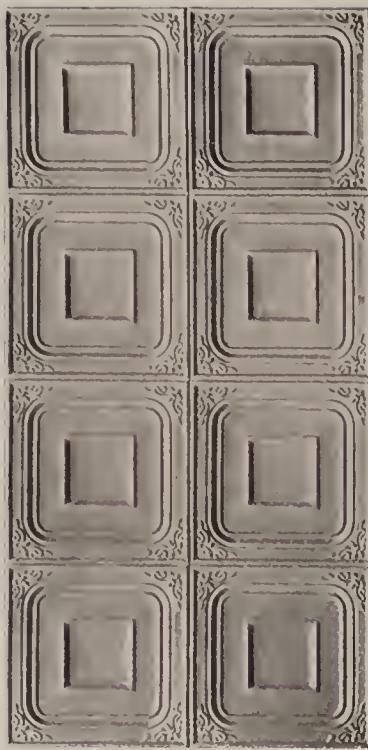
Countersunk Joint Ceiling Plate. 24 x 48 inches.

833



Stipple Work.
Size 24 to 30x6 to 120 inches.
Margin Lap.

673



Continuous Colonial Plates 12x12 inches, in
sheets 24x96 inches. Countersunk Joint.

834



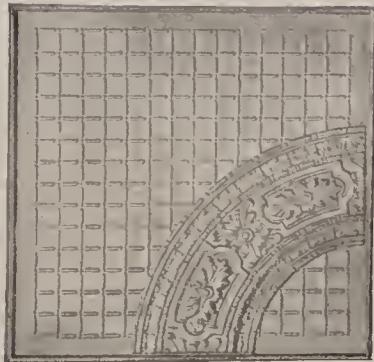
Continuous Colonial Plates 12x12 inches, in
sheets 24x72 inches. Countersunk Joint.

434



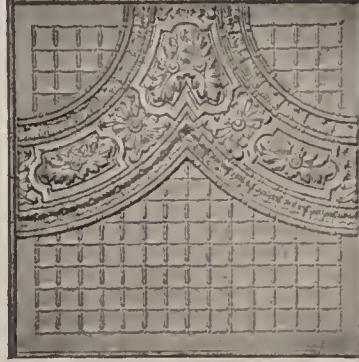
Plates 12x12 inches. In Sheets 24x96
7/8-inch Deep Mould. Countersunk Jo

501



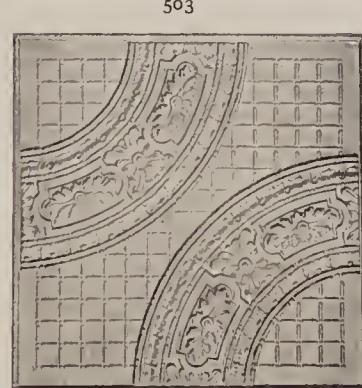
24 x 24 inches.

502



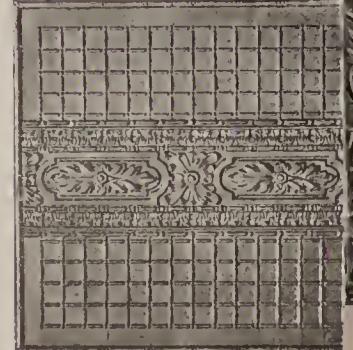
Bead Lap.

501 - 502 - 503 - 504.



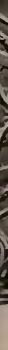
24 x 24 inches.

503



Bead Lap.

504



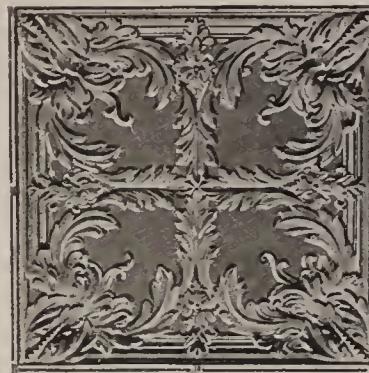
24 x 24 inches.

61



Gothic Ceiling Plate. 24 x 24 inches.

65



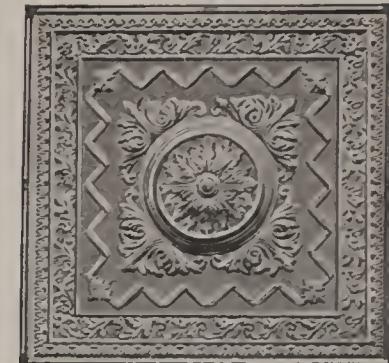
Gothic. Size, 24 x 24 inches. $\frac{7}{8}$ inch deep.

70



24 x 24 inches.

96



24 x 24 inches.
Center Plate.

These plates are supplied with Countersunk Joints

68



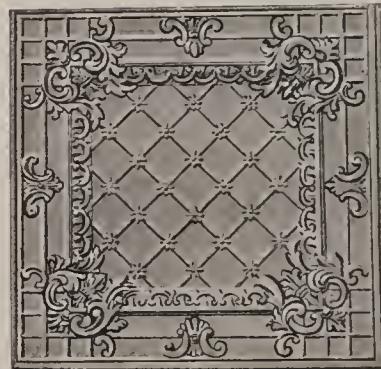
24 x 24 inches.

69



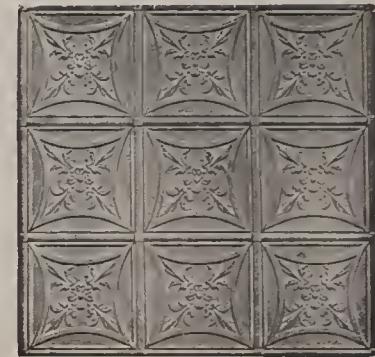
Rococo Panel. Size, 24x24 inches.
24x96 inches.

168



Rococo Panel, Shallow. Size, 24x24 inches.

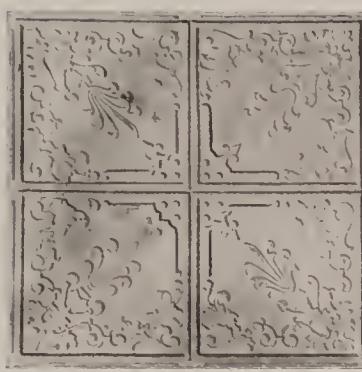
174



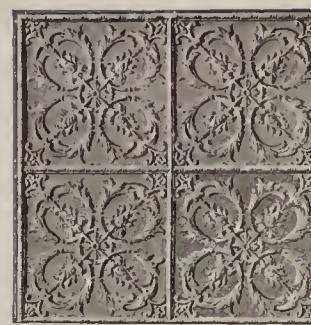
COLONIAL FRET. Field Plate. 27x27 inches.



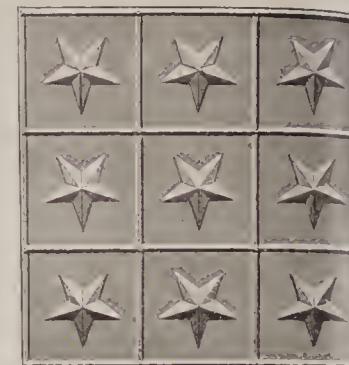
24 x 24 inches. 12 x 12 inch squares.



Field Plate or Side-Wall. Size, 24 x 24 inches.



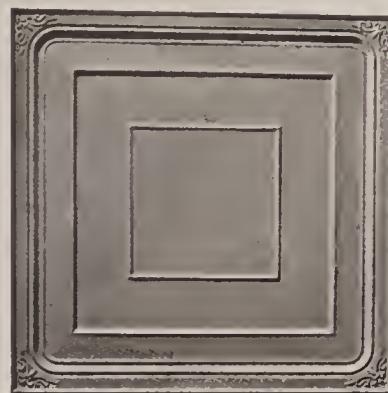
24 x 24 inches.



Star Ceiling or Side Wall.
Size, 24 x 24 inches. Bead Lap



Gothic (14th Century). Size, 24 x 24 inches.



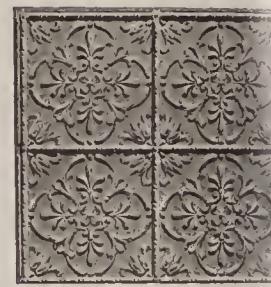
24 x 24 inches



SUPPLIED WITH BUTT COUNTERSUNK JOINTS



Field Plate, 24 x 24 inches



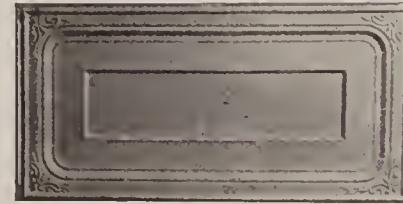
EMPIRE Field Plate.
18 x 18 inches.



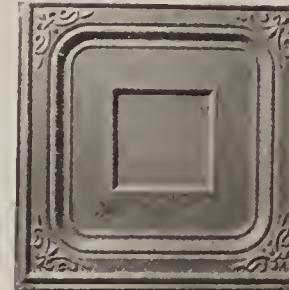
6x24 inches
Side Finishing Mould.



6x6 inches
Corner Block.



12 x 24 inches.

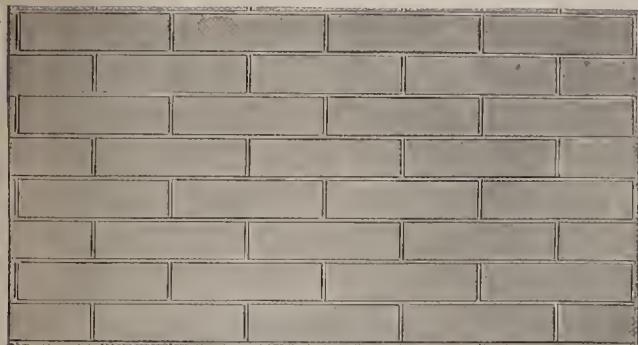


12 x 12 inches.



12 x 12 inch Centers.
Bead Lap

157



French Mortar Line Steel Brick. Size, 2x8 inches, in Sheets 30 x 96 inches.

155



Plain Mortar Line Steel Brick. Size, 2x8 inches, in Sheets 30 x 96 inches.

800



Sheet Tile, Size 1½x6 inches in Sheets 24 96 inches.

10



18 x 24 inches.

Bead Lap

18



18 x 24 inches.

308



21x32½ inches.

303



18 x 18 inches.

307



18 x 18 inches.

309



18 x 18 inches.

306



21x32½ inches.

14



6 x 18 inches.
Wainscoting Dado Plate

15

21



12 x 12 inches

22



12 x 12 inches.

26



9 x 9 inches.

62



Field Plate. 12 x 12 inches.

23



12 x 24 inches.

24



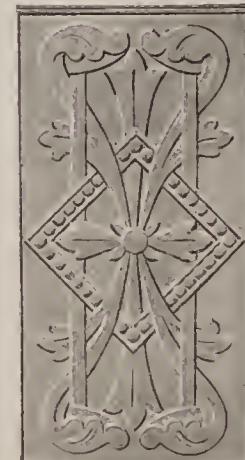
12 x 24 inches.

27



9 x 24 inches.

63



Field Plate. 12 x 24 inches.

29



18 x 36 inches. Wainscoting Plate.

321



Size 24x30. Frieze, Dado, or Wainscoting Plate.

59



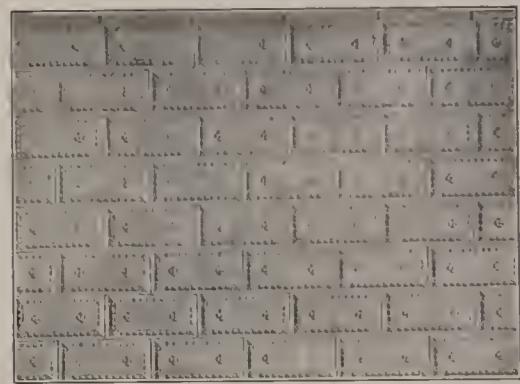
ITALIAN Button Blocks, 4 x 4 inches.
Sheets, 28 x 98 inches.

526



Size, 24 x 96 inches. Blocks, 3 inches square.

527



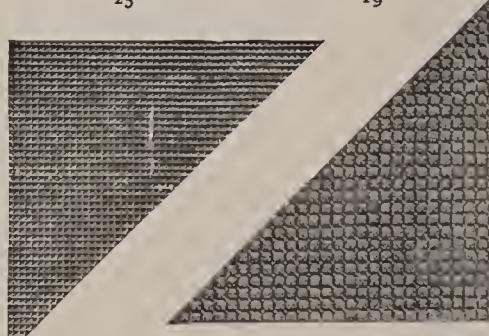
Size, 24 x 96 inches. Blocks, 3 x 6 inches.

28



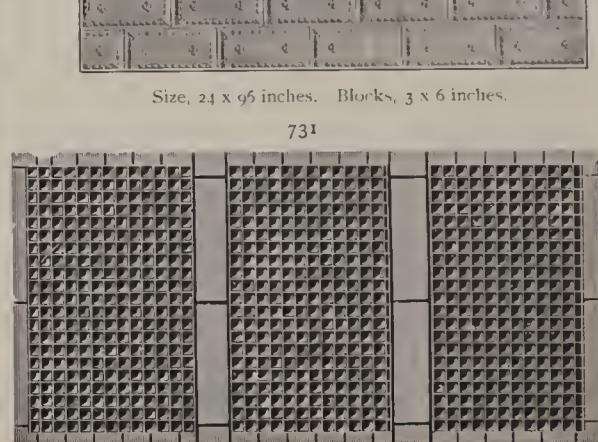
14½ x 26 inches.

25



9 x 9 x 12 inches.
Triangular Plates, used with our Wainscoting Plates
on the Rake as shown in Fig. 803, Page 73.

19



Shows Pebble Panel, Dado, Post Covering or Wainscoting.
Width, 13 to 26 inches. Length, 12 to 96 inches.

THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

729



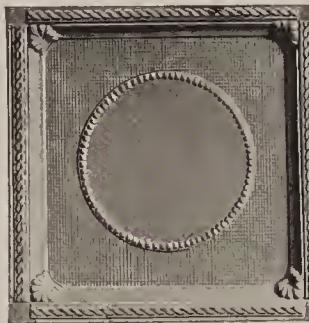
$\frac{5}{8}$ -inch DeepBead, 18 x 18 inches.
Bead Lap.

101



Centers 18x18 inches.

119



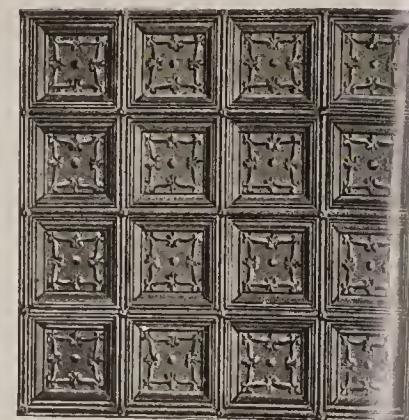
25 $\frac{1}{4}$ x 25 $\frac{1}{4}$ inches. Field Plate.

118



Size Plate, 25 $\frac{1}{4}$ x25 $\frac{1}{4}$ inches.
Center Plate used with Triangular Plates, Fig. 104, to form Center Pieces 36 x 36 inches.

188



Pattern is 6 x 6 inches, $\frac{7}{8}$ inch deep.
In sheets, 24 x 24 inches.

828



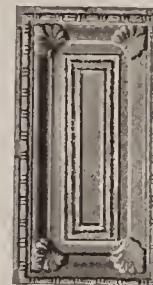
$\frac{5}{8}$ -inch Deep Bead, 18 x 36 inches.
Special Gothic Style for Church Work.
Bead Lap.

100



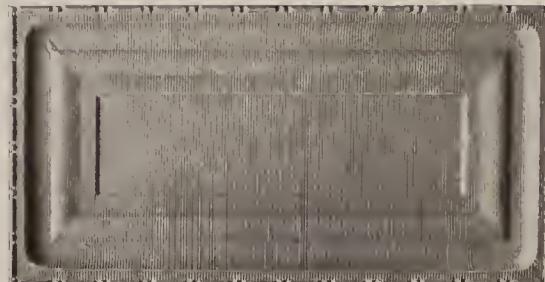
18 x 36 inches.

102



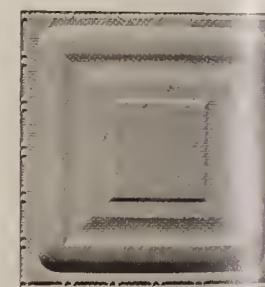
Centers 18x9 inches.

829



18x36 inches.

Colonial Mould Plates, 1 $\frac{1}{2}$ inch deep
Can be applied with Butt Edges, Countersunk
Joints or Bead Lap.



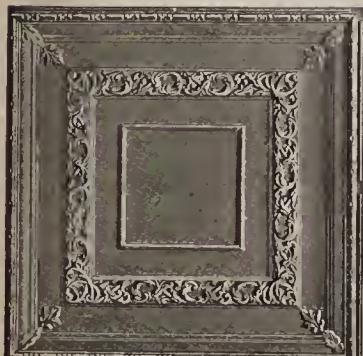
18x18 inches.



Imperial Plates. $1\frac{3}{8}$ inches deep.
Size, 24 x 48 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS



Imperial Plates. $1\frac{3}{8}$ inches deep.
Size, 24 x 48 inches.



24 x 48 inches.
409



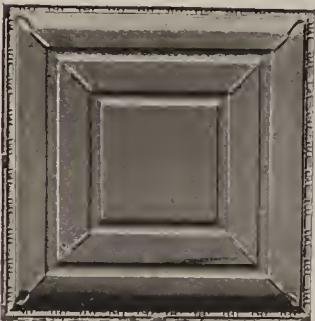
12 x 24 inches.



24 x 48 inches.
79



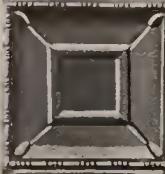
19 x 38 inches. $2\frac{1}{8}$ inches deep.
422



Centers 24x24 inches.



Imperial Plates. $1\frac{3}{8}$ inches deep.
Size, 12 x 24 inches.



Centers 12x12 inches.



24 x 24 inches.



12 x 12 inches.



Imperial Plates. $1\frac{3}{8}$ inches deep.
Size, 12 x 12 inches.

90



Colonial Plates, $2\frac{1}{8}$ inches deep. 24 x 48 inches.

89



Colonial Plates, $2\frac{1}{8}$ inches deep. 24 x 24 inches.

74



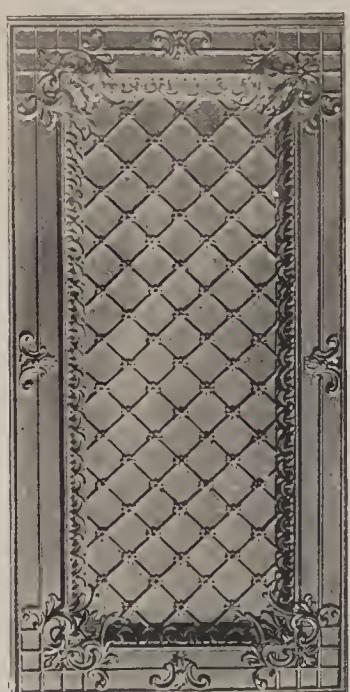
Elizabethan Deep Plates, $1\frac{7}{8}$ inches deep.
24 x 48 inches.

73



Elizabethan Deep Plates, $1\frac{7}{8}$ inches deep.
24 x 24 inches.

497



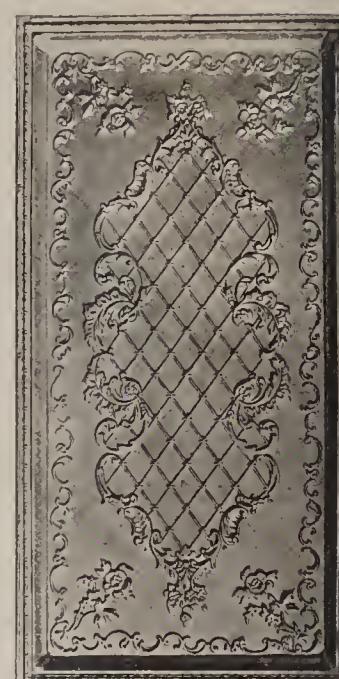
24 x 48 inches. $1\frac{3}{8}$ inches deep.

500



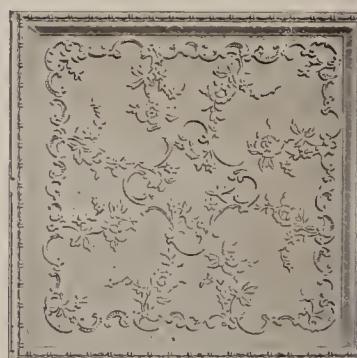
24 x 24 inches. $1\frac{3}{8}$ inches deep.

82



24 x 48 inches.

83



24 x 24 inches.

SUPPLIED WITH BUTT GUMMED JUITS

THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

516



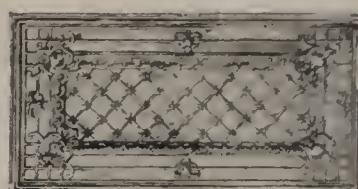
Colonial Plates 12 x 24 inches.

512



12 x 24 inches.

498



12 x 24 inches. 1 3/8 inches deep.

84



12 x 24 inches.

573



24 x 13 inches.

When Rococo Deep Borders, Figs. 509, 510 and 511, are used with above plates, it requires Furring 1 1/8 x 1 5/8 inches.

517



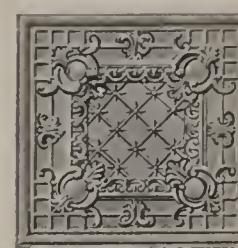
Colonial Plates.
12 x 12 inches.

513



12 x 12 inches.

505



1 3/8 inches deep.
12 x 12 inches.

85



12 x 12 inches.

140



24 x 24 inches. 1 1/4 inches deep.

66

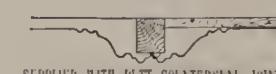


ELIZABETHAN Plate. Size, 24 x 24 inches.
1 1/2 inches deep.

569



Corner Ceiling Plate, 15 5/8 inches deep.
Size, 24 x 24 inches.
Special Plate for Corner Divisions.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

429



24 x 24 x 34 inches
Triangular Plate used with all styles of Deep Plates.
2 x 2 or 2 x 4 feet.

113



Mould, $1\frac{3}{8}$ inch deep. Size, $30\frac{1}{2} \times 30\frac{1}{2}$ inches.

855



30×30 inches.

865



30×6 inches.

114



Renaissance Mould Plates. From 1 inch to $1\frac{3}{8}$ inch deep.
Size, $30\frac{1}{2} \times 30\frac{1}{2}$ inches.

868



24×24 inches.

712



Gothic Field Plate, 24×24 inches.
Deep Panel Field Plates, See Figs. 732 and 733.
For Gothic Ceiling Design, See Fig. 734.

713



Gothic Field Ceiling Plate, 24×48 inches.

732



24×24 inches, $3\frac{1}{2}$ inches deep. Used as Field Plate in ceiling or as a center piece in combination.

Any plates, 12×24 and 12×12 , Deep or Beaded, form Centers 48×48 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

733



Gothic Deep Mould Field Ceiling Plate, $1\frac{1}{2}$ inches deep. Size, 24×24 inches.

These Plates are shipped with and without margin on the sides. Mechanic will shear margin off when required as noted in working plans furnished.

430



18 x 18 inches.

431



18 x 24 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

432

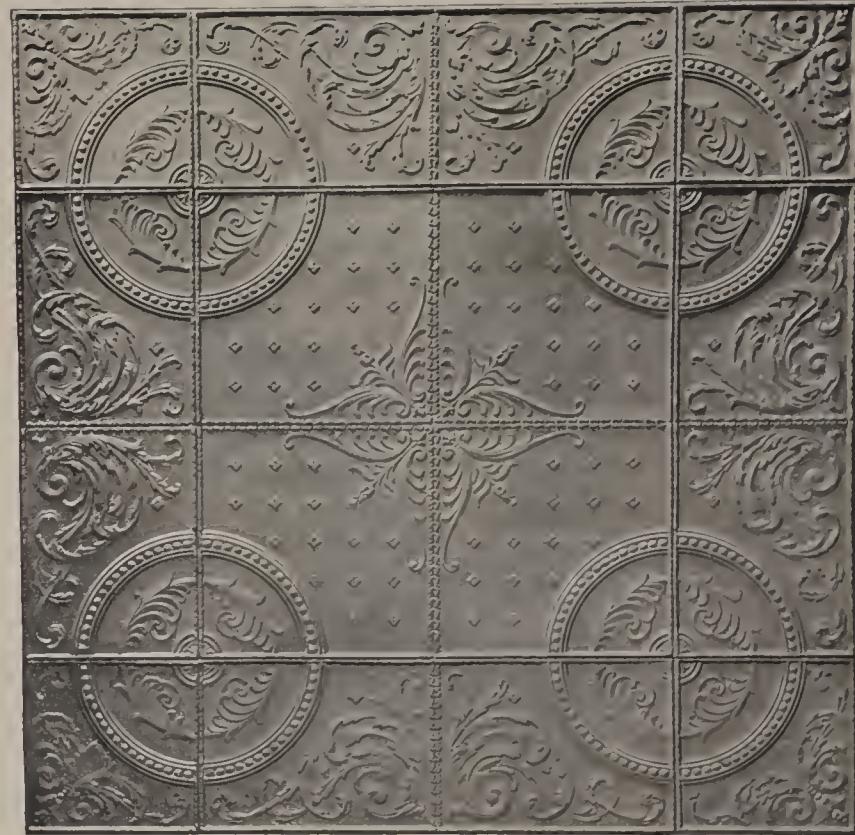


18 x 24 inches.

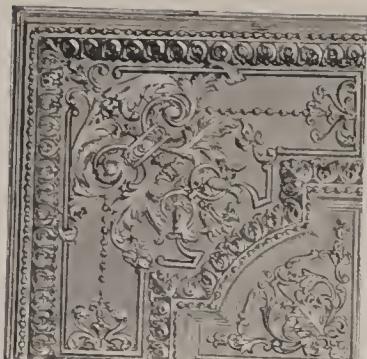
433



24 x 24 inches.



Combination of Figs. 430 to 433.
Size, 72 x 72 inches. Field design is continuous or can be divided in 72 inch square panels, surrounded by dividing beam moulds and blocks.



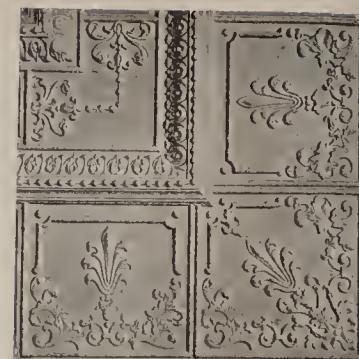
Out Corner Plate. Size, 24 x 24 inches.



Border Panel Plate. Size, 24 x 48 inches.



Follow Plate. Size, 24 x 24 inches.



In Corner Plate. Size, 24 x 24 inches.



Border Panel Plate. Size 24x24 inches.

SUPPLIED WITH BUTT COUNTERSUNK JOINTS



Border, 11 1/2 x 24 inches.



Border 12 1/2 x 24 inches



1 1/2 x 11 1/2 inches.



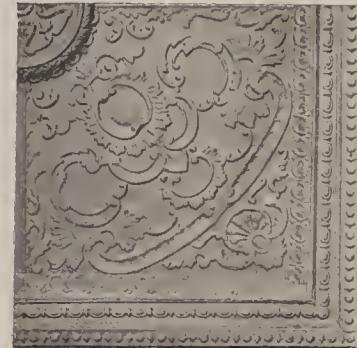
Corner, 12 1/2 x 12 1/2 inches.



24x24 inches. 1 3/8 inches deep.



24x24 inches. 1 3/8 inches deep.



24 x 24 inches. 1 3/8 inches deep.



1 5/8 deep Frieze or Border. Size, 24 x 48 inches.

When Border Plates are used it requires furring strips $1\frac{1}{8} \times 1\frac{1}{2}$ inches for Ceiling Plates.

Cross Furring for border only $3\frac{1}{2} \times 1\frac{1}{2}$ "

Cross Furring for Border Mould Plates. Figs. 76, 77 and 78. Moulding on Plates $1\frac{1}{2}$ inches.
Size Cross Furring, $\frac{3}{8}$ or $\frac{1}{2} \times 1\frac{1}{4}$ inches.

SUPPLIED WITH EITT CONVENTIONAL JOINTS



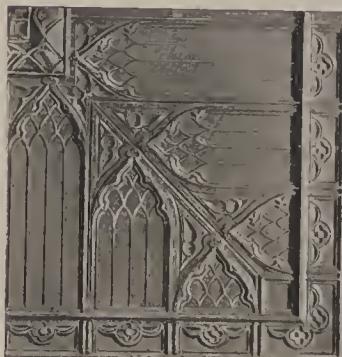
24 x 24 inches
Right Empire Deep Mould Corner Plates.



24 x 24 inches.
Field Empire Deep Mould Plates.



24 x 24 inches.
Left Empire Deep Mould Corner Plates.



24 x 24 inches
Left Corner Border Plate, 24x24 inches.



24x24 inches.
Right corner Border Plate, 24x24 inches.



708



709



24 x 24 inches.
Left Corner Border Plate. Size, 24 x 24 inches.



87



24 x 24 inches.
Follow Border Plate. Size, 24 x 24 inches.



88



24 inch wide Border.
Right Corner Border Plate.
24 x 24 inches.



32



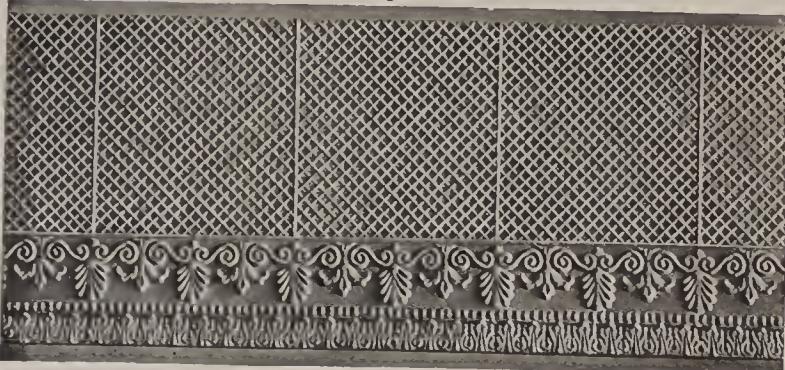
24 x 24 inches.
Field Border Plate.

33



Styling or Filler, With or Without Moulding on One Side

56

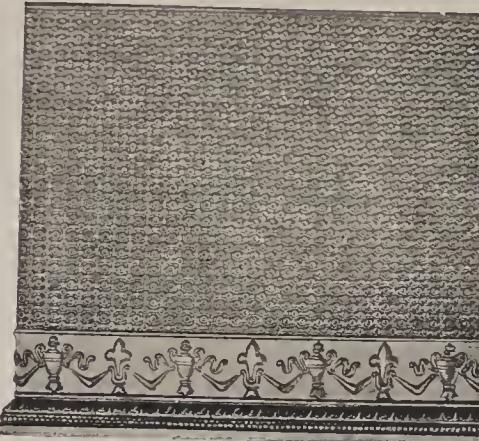


Filler with Mould.

Section through Enriched Mould Fret or Stiling; width, out to out, 15, 14, 13, 9, 8, 7 and 6 inches. Length, 1 to 8 feet.

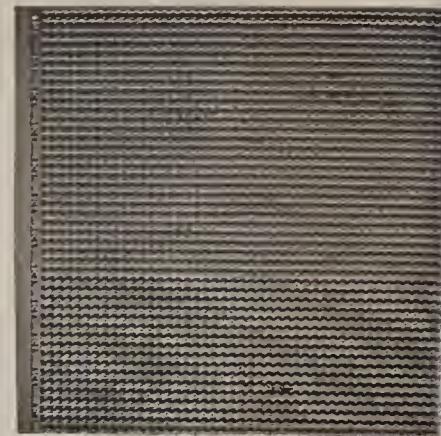
818

531

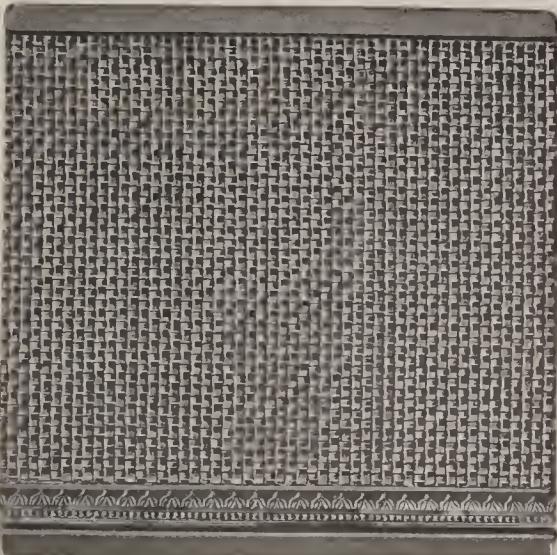


Filler with Mould.
Size, 6 to 26½ inches wide x 1 to 8 feet long.

146



ROMAN Ceiling or Side Wall. Size, 25 x 48 or 96 inches



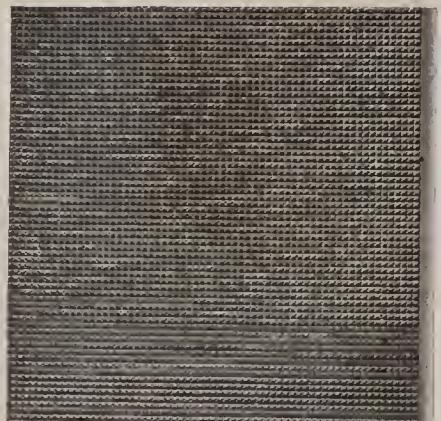
BASKET FILLER { A 27 x 96 } or 6 to 27 inches wide by 96 inches long.
{ B 24 x 96 }

55



Diaper Filler.
Width 24 to 28 inches. Length 96 inches.

124



3½-inch Checked Field Stiling or Filler.
Size, 28 x 96 inches.

Enriched Borders—Frieze or Dado

310



8 x 96 inches.

312



8½ x 96 inches.

311



7 x 96 inches.

314



6 x 96 inches.

325



6 x 96 inches.

831



"Walls of Troy" Frieze. Size, 6x96 inches.

149



Grape Vine Border. Size, 12 x 96 inches.

145



Greek Border. Size, 16½ x 96 inches.

142



Border, 10½ x 96 inches.

Metal Art Coverings for perpendicular or horizontal surfaces, such as Arches, Columns, Pillars or Girders, as illustrated in Fig. 590
Combined with rich Metal Mouldings, of the many styles we manufacture.

305



7 x 96 inches.

333



6 x 96 inches.

Enriched Frieze with Bottom Mould



Frieze. Girth, 22 $\frac{1}{2}$ inches. Length, 1 to 8 feet.



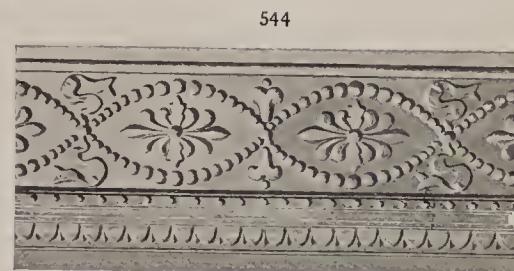
12 x 96 inches.



Frieze. Girth, 11 $\frac{3}{4}$ inches. Length, 1 to 8 feet.



Frieze. Girth, 15 $\frac{1}{2}$ inches. Length, 1 to 8 feet.



Frieze. Girth, 8 inches. Length, 1 to 8 feet.



Frieze. Girth, 11 $\frac{1}{2}$ inches. Length, 1 to 8 feet.



Frieze. Girth, 9 inches. Length, 1 to 8 feet.



Frieze. Girth, 11 inches. Length, 1 to 8 feet.



Frieze. Girth, 10 $\frac{1}{4}$ inches. Length, 1 to 8 feet.



Frieze. Girth, 8 $\frac{5}{8}$ inches. Length, 1 to 8 feet.

Enriched Border and Filler Combinations

523



Girth, 28 inches by 1 to 8 feet long. Combination Filler.

522



Combination Filler. Girth, 28 $\frac{3}{4}$ inches by 1 to 8 feet long.

835



Border or Frieze 12x96 inches.

523

29

805



Cove, Frieze or Border Plate. Size, 16 $\frac{3}{4}$ x96 inches.

804



Cove, Frieze or Border Plate. Size, 16 $\frac{3}{4}$ x96 inches.

524



Combination Filler. Girth, 27 inches. Length, 1 to 8 feet.

Borders—Frieze or Dado

Figs. 48 and 49, Zinc Drop Blocks to be used with Border, Fig. 47 or 45, when Stamped Corner Pieces are not wanted.

44



24 x 7 inches.

47



EMPIRE BORDER. Size, 7 x 24 or 96 inches.

13



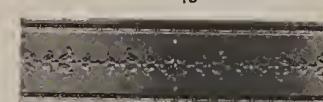
7 x 7 inches.

16



6 x 12 inches.

45



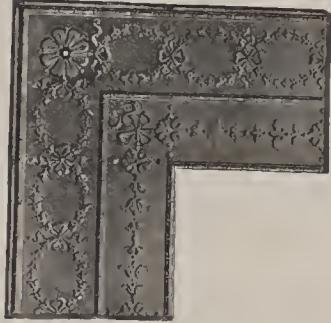
Colonial Border.
Size, 6 x 24 or 96 inches.

46



6 x 18 inches.

34



24 x 12 inches.

35



EMPIRE BORDER. Size, 12 x 24 inches.

39



Left Corner Border Plate.
12 x 12 inches.

20



12 x 12 inches.

48



7 x 7 x 1 3/4 inches.
Zinc Drop Block, used with Border.
Fig. 47.
when preferred to Fig. 13.

40



Field Border Plate.
12 x 24 inches.

36



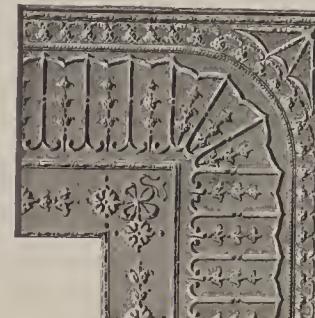
Left Corner Border Plate.
18 x 18 inches.

37



Field Border Plate.
18 x 24 inches.

41



18 inch wide Border.
Right Corner Border Plate.
18 x 24 inches.

49



6 x 6 x 1 inches.
Zinc Drop Block, used with Border.
Fig. 45.
when preferred to Fig. 16.

Side Wall Decorations

148



Empire Diaper Side-Wall or Ceiling Field Work
Size, $24\frac{1}{2} \times 96$ inches.

123



Marie Antoinette Side Wall. Size, $20\frac{1}{4} \times 96$ inches.

53



2-inch Beaded for Ceilings or Sidings.
Size $24 \times 26 \times 96$ inches.

125



GOTHIC (14TH CENTURY). Size, $21\frac{5}{8} \times 96$ inches.

122



Natural Rose Side-Wall. Size, $20\frac{1}{2} \times 96$ inches.

129

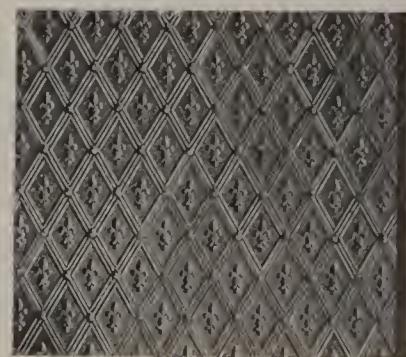


GOTHIC (14TH CENTURY).
Size, 19×96 inches.

128



16TH CENTURY ENGLISH DIAPER.
Size, 30×96 inches.



FLEUR DE LIS. Size, $26\frac{7}{8} \times 96$ inches.

Side Wall Decorations

134



FRANCIS I. No. 1. Size, 24 $\frac{5}{8}$ x 96 inches.

138



FRANCIS I. No. 2. Size, 24 $\frac{5}{8}$ x 96 inches.

135



GOTHIC (16TH CENTURY) Side Wall
Size, 21 $\frac{1}{8}$ x 96 inches.

420

Greek Wainscoting or Side Wall.



24 $\frac{1}{4}$ x 120 inches 7/8-inch deep Line Stamp.
Special work for side wall and wainscoting designs.

57



Oriental Side Wall or Ceiling (Field). Size, 21 x 96 inches

153



Rococo Side Wall or Large Cove. Size, 20 $\frac{7}{8}$ x 96 inches.

Rococo Side-Wall Section.
Size, 17 $\frac{3}{4}$ x 96 inches.

131



FRANCIS I. Frieze or Coves. Size, 24 $\frac{3}{8}$ x 96 inches.

126



Size of configurations, length and width, large, 12 x 8 inches; small, 8 x 5 inches. Sheets, 28 x 96 inches.

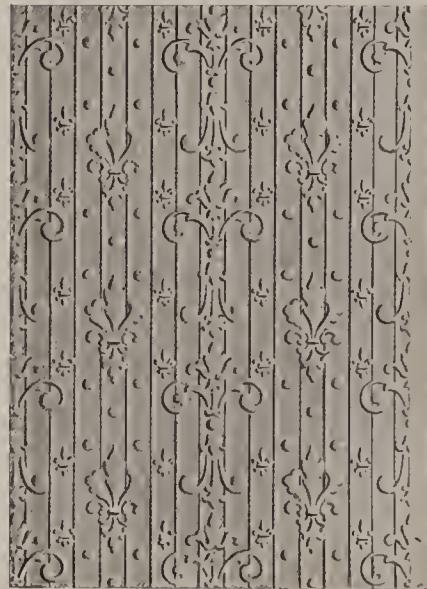
Borders and Fields of Side Walls

150



Frieze or Cove. Size, 20 $\frac{1}{2}$ x 96 inches.

127



Size of configurations, length and width, large, 8 x 5 inches; small, 4 x 2 $\frac{1}{2}$ inches. Sheets, 28 x 96 inches.

133



FRENCH RENAISSANCE. Frieze or Cove. Size, 20 $\frac{1}{2}$ x 96 inches

137



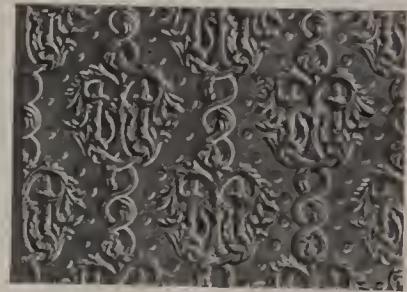
FRENCH RENAISSANCE. Side Wall. Size, 18 x 96 inches.

136



FRENCH RENAISSANCE, for Frieze or Cove. Size, 19 $\frac{1}{4}$ x 96 inches.

139



FRENCH RENAISSANCE. Side Wall. Size, 32 $\frac{1}{2}$ x 96 inches.

72



Elizabethan Cove or Frieze. Size, 28 x 96 inches.

Borders and Fields of Side Walls

718



Gothic Frieze. 18 x 96 inches.

507



ROCOCO FRIEZE. Size, 22 x 48 inches.

105



Cove or Frieze. Size, 19 1/2 x 36 inches.

151



FRIEZE or COVE. Size, 19 1/2 x 96 inches.

34



For Frieze, Cove or Border. Centers, 12 x 96 inches. Girth, 13 inches.

156



ROCOCO, for Frieze or Cove with Pilaster. Size, 18 1/2 x 49 inches.

154



EMPIRE FRIEZE or COVE. Size, 20 1/2 x 36 inches.

132



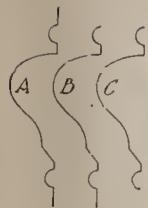
GOTHIC (16TH CENTURY). FRIEZE or COVES. Size, 21 1/2 x 96 inches.

Embossed Panel Mouldings

158



Enriched Foot Mould. Width, $4\frac{1}{4}$ inches. Depth, $1\frac{1}{2}$ inches. Length, 4 to 8 feet. When wanted for picture mould, specify it in order.



160



Enriched Foot Mould. Width, $3\frac{1}{8}$ inches. Depth, $\frac{7}{8}$ inch. Length, 4 to 8 feet. When wanted for picture mould, specify it in order.



162



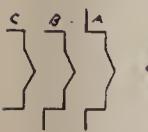
Leaf Mould. Depth, $1\frac{1}{2} \times \frac{3}{8}$ inches. Length, 4 to 8 feet



172



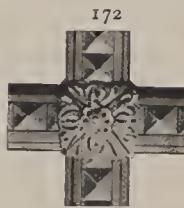
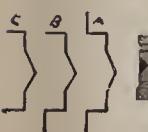
Dental Embossed Mould. Width, $1\frac{5}{8}$ inches. Depth, $\frac{3}{8}$ inch. Length, 4 to 8 feet.



173



Enriched Dental Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{5}{8}$ inch. Length, 4 to 8 feet.



Hugging Rosette for Moulding, Fig. 172



Hugging Rosette for Moulding, Fig. 173

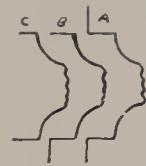
175



Hugging Rosette for Moulding, Fig. 175.



Shows Figured Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{5}{8}$ inch. Length, 4 to 8 feet. Also made width $2\frac{3}{4}$ inches, depth $1\frac{1}{4}$ inches. Length, 4 to 8 feet



176



Spool and Ball Mould. Width $1\frac{1}{4}$ inches. Length, 4 to 8 feet.



177



Rope Mould. Width, $1\frac{1}{4}$ inches. Length, 4 to 8 feet.



178



Ring and Ball Mould. Width, $1\frac{1}{2}$ inches. Length, 4 to 8 feet



4 feet long.
Bead Strip to cover Cove or Styling Laps, when desired.
Size, $\frac{5}{8}$ inch.

4 feet long.
Bead Strip to cover Cove or Styling Laps, when desired.
Size, $\frac{1}{2}$ inch

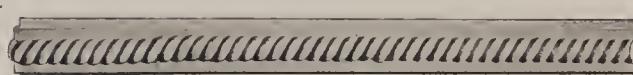
2



Embossed Panel Mouldings



180



Rope Mould. Size, width 3 inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.

806



Drop Block for Fig. 180
or 183. $3 \times 3 \times 2\frac{1}{8}$ inches.

171



Hugging Rosette for
Moulding, Fig. 171.

171



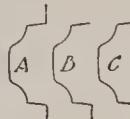
Egg Embossed Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{7}{8}$ inch. Length, 8 feet



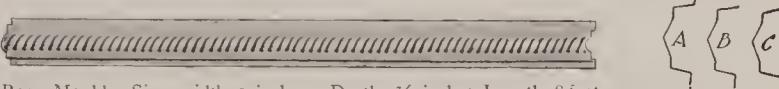
181



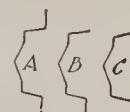
Rope Mould. Size, width $2\frac{5}{8}$ inches. Depth, $\frac{1}{8}$ inches. Length, 8 feet.



182



Rope Mould. Size, width 2 inches. Depth, $\frac{3}{4}$ inches. Length, 8 feet.



184



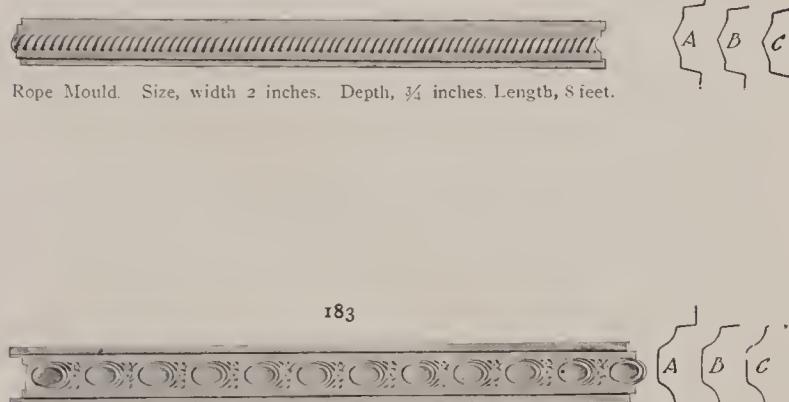
Spool and Ball Mould. Size, width $1\frac{3}{4}$ inches. Depth, $\frac{3}{4}$ inches. Length, 8 feet.

535

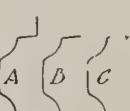


Depth, $\frac{3}{4}$ inch. Width, $1\frac{1}{2}$ inches. Length, 8 feet.

535



Egg Mould. Size, width $3\frac{3}{4}$ inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.



183



Enriched Diamond and Ball Mould. Size, width, $2\frac{1}{4}$ inches. Depth, 1 inch. Length, 8 feet.

Embossed Beam Moulds and Zinc Drop Blocks

199



Beam Mould. Width, 7 to 12 inches. Depth, 1 $\frac{1}{4}$ to 3 inches. Length, 8 feet.

205



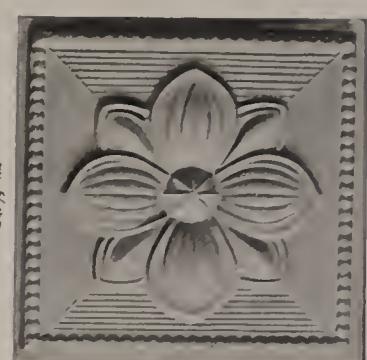
9 x 9 inches.
Used with Fig. 199.

204



Ornament, 7 $\frac{1}{4}$ x 7 $\frac{1}{2}$ inches
Used with Fig. 199.

9



Used with Beam Mould, Fig. 199.
Size, 12 x 12 inches.

214



Enriched Dividing Mould. 6 inches wide, 2 $\frac{1}{2}$ inches deep, 8 feet long.

215



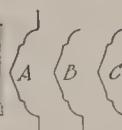
6 x 6 x 3 $\frac{1}{2}$ inches.
Used with Fig. 214.

216



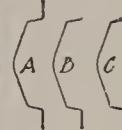
6 x 6 x 2 $\frac{1}{4}$ inches.
Used with Mouldings
Figs. 217 and 218.

218



Ring and Rosette Beam Mould. Size, 6 x 1 $\frac{1}{4}$ inches, deep. Length, 8 feet.

217



Egg and Dart Beam Mould. Size, 6 x 1 $\frac{1}{4}$ inches, deep. Length, 8 feet.

N.B.—ALL OF OUR DROP BLOCKS ARE MADE FROM NO. 9 SHEET ZINC.

280



Used with Beam Mould, Fig. 199.
Size, 10 $\frac{1}{8}$ x 10 $\frac{1}{8}$ inches.

Enriched Beam Moulds and Zinc Drop Blocks

194



Egg and Dart Beam Mould. Depth, 3 inches. Width, 6 inches.

200



6 x 6 x 4 $\frac{3}{4}$ inches.
Used with Fig. 194.

216



6 x 6 x 1 $\frac{3}{4}$. Beam Block.
Used with Fig. 236.

198



236



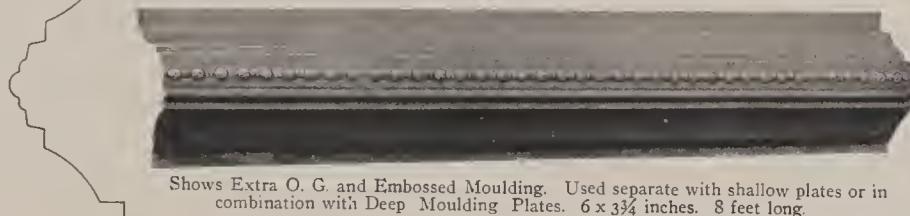
Rococo Beam Mould. 1 $\frac{3}{8}$ x 6 inches.

197



Enriched Beam Mould. Width, 6 inches. Depth, 4 $\frac{1}{4}$ inches.

196



Shows Extra O. G. and Embossed Moulding. Used separate with shallow plates or in combination with Deep Moulding Plates. 6 x 3 $\frac{3}{4}$ inches. 8 feet long.

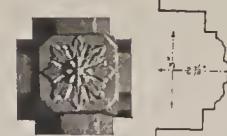
N. B.—ALL OF OUR BLOCKS ARE MADE FROM NO. 9 SHEET ZINC.

195



Rococo Beam Mould. Size, 1 to 10 feet. Depth, 3 $\frac{3}{4}$ inches, width, 6 inches.

203



3 x 3 x 3 inches.
Used with Beam, Fig. 198.

200



6 x 6 x 4 $\frac{3}{4}$ inches.
Used with Beam, Fig. 195.

201



6 x 6 x 4 $\frac{3}{4}$ inches.
Used with Beam, Fig. 196.

202



Drop Block. 6 x 6 x 5 $\frac{5}{8}$ inches.
Used with Beam, Fig. 197.

Enriched Beam Moulds and Zinc Drop Blocks

208



Empire Egg and Dart. Size, $3\frac{1}{2}$ x 12 inches.

209



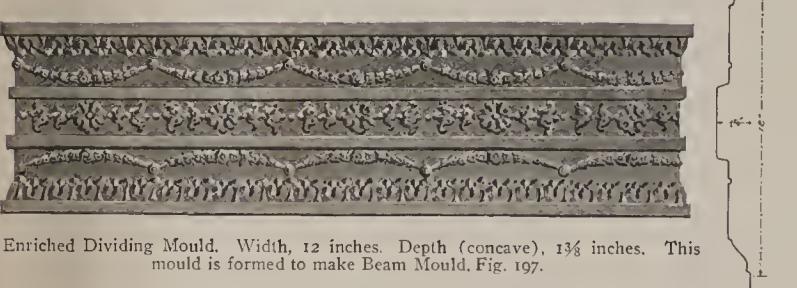
$12 \times 12 \times 4\frac{1}{4}$ inches.
Used with Fig. 208.

739



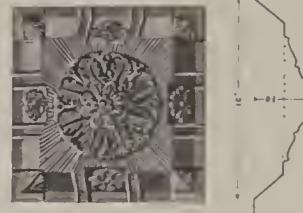
Drop Block for Fig. 714
 $12 \times 12 \times 5\frac{1}{2}$ inches.

210



Enriched Dividing Mould. Width, 12 inches. Depth (concave), $1\frac{3}{8}$ inches. This mould is formed to make Beam Mould, Fig. 197.

211



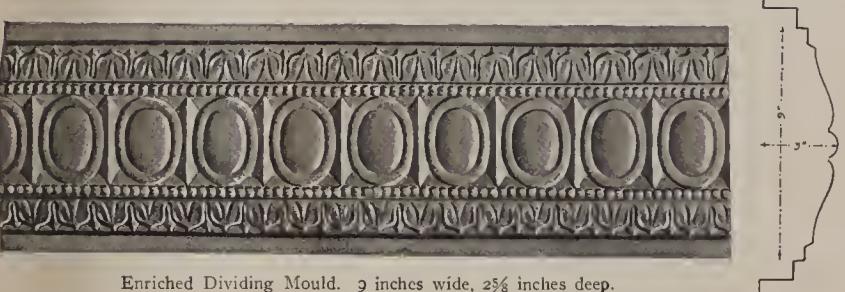
$12 \times 12 \times 3\frac{3}{4}$ inches.
Drop Block, used with concave border.
Fig. 210.

714



Gothic Bent Mould. Size, 12x3 inches; girth, 17 inches; length, 8 feet.

212



Enriched Dividing Mould. 9 inches wide, $2\frac{5}{8}$ inches deep.

213



$9 \times 9 \times 4$ inches.
Used with Fig. 212.

Brackets for Church Interiors

243



227



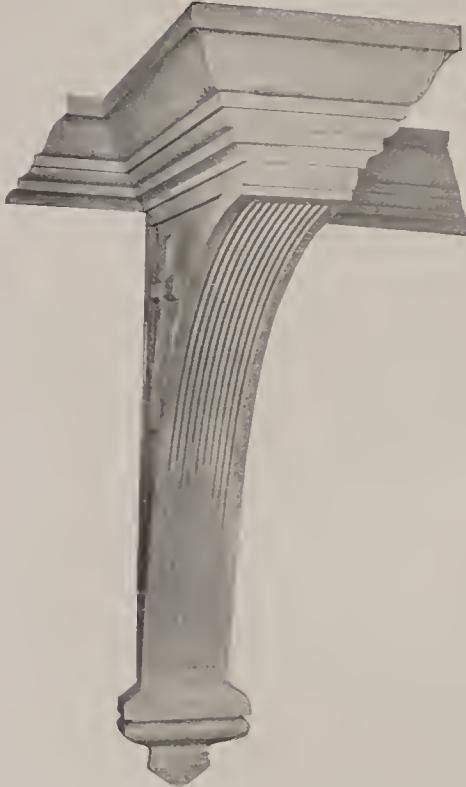
825



859



826



Bracket and Cornice Combination, ornamental or plain
Special attention paid to architects' drawings.

Stock Pattern, subject to
architects' suggestions and changes.

Enriched Beam Moulds and Zinc Drop Blocks

845



I. Two Parallel Margin Shoulder.



6 x 6 x 4 $\frac{3}{4}$ inches.



8



Cross. Four Margin Shoulder.

7



Tee. Three Margin Shoulder.

NOTE

All of our Beam Moulds are used with Zinc Drop Blocks, commercially known as crosses, ells, tees and parallel shoulders.

860



Stipple Field in angle sections with border effect



Sectional view of Fig. 851.
851



Fig. 833. Stipple and Beam Mould Effect. Beam Mould in different styles and sizes.

NOTE.—THE ABOVE, FIGS. 6, 7, 8 AND 845, ILLUSTRATE MODE OF USING OUR BEAM MOULDS AND ZINC DROP BLOCKS. ALL OF OUR ZINC BLOCKS ARE PRESSED WITH MARGIN SHOULDER ON FOUR SIDES, AND FINISHED TO SUIT THE DIFFERENT REQUIREMENTS. BY PROVIDING SHOULDER LAP ON BLOCKS TO SUIT THE LAYOUT IN DESIGN SELECTED. CROSS, ELL, TEE OR FOLLOWERS, WE CHARGE TIME FOR TRIMMING OFF SHOULDER AND PUTTING IN ENDS.

Embossed Moulds and Nose Mouldings

Flat or formed to finish around openings. In and out corner and girder finish

179



Rope Mould. Size, width $3\frac{1}{4}$ inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.

736



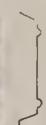
Drop Block for Fig. 179.
 $3\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{8}$ inches.

570



Mould. Girth $5\frac{1}{2}$ inches. Width $3\frac{1}{4}$ inches. Depth $1\frac{1}{4}$ inches.

716



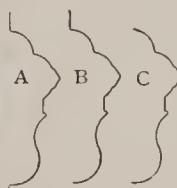
Gothic Beam Mould. Size 4×1 inch; girth, $7\frac{1}{2}$ inches; length, 8 feet.

715



Gothic Beam Mould. Size, 6×1 inch; girth, 13 inches; length, 8 feet.

187



Enriched Mouldings for dividing Side-wall finish, foot of coves in high ceilings, or dividing sections of ceiling plates. 8-foot lengths. Depth, $1\frac{1}{2}$ inches. Width, $4\frac{1}{4}$ inches.

189



Girder Corner finish, for Drop Girders 8 feet lengths formed.

42

737



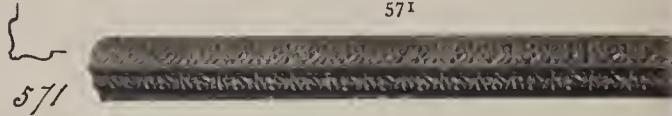
Drop Block for Fig. 716.
 $4 \times 4 \times 2\frac{1}{8}$ inches.

738



Drop Block for Fig. 715.
 $6 \times 6 \times 2\frac{1}{8}$ inches.

571



Girder Corner for Skylights, or Stair Rakes and around Openings.

163



Left Concave Corner Mould. Size, $1\frac{1}{2} \times \frac{1}{4}$ inches. Depth, $\frac{3}{8}$ inch.
Length, 8 feet
Figs. 164 and 163 used with our side-wall designs.

164



Leaf Convex Corner Mould, to finish around Openings and bottom edge of Girders. Size $1\frac{1}{2} \times \frac{1}{4}$ inches. Depth $\frac{3}{8}$ inch. Length, 8 feet.

165



Concave Corner Mould. Girth, $2\frac{1}{4}$ inches. Used in our Side Wall work for Concave Corners.

166



Convex Corner Mould. Girth, $2\frac{1}{4}$ inches. Used in our Side Wall work for Convex Corners.

.. Figs. 165 and 166 used with all our Side Wall designs.

Enriched Chair Mouldings and Metal Base, and Plain Crimped Cornices, Straight or Curved

191



185



Enriched Chair Mould (medium). Size, width, 2 inches. Projection $\frac{7}{8}$ in. Length, 8 feet for wainscoting or cove finishing.

824



Finishing Mould, 2x96 inches, for Window and Door casings, formed special when ordered.



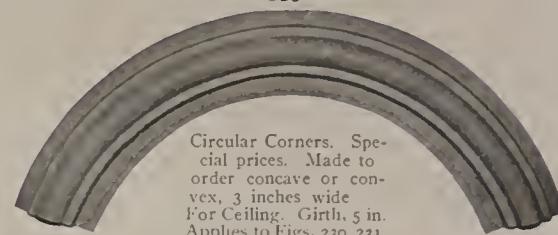
Metal Base Finish. Used with side wall material in place of wood base. Only furnished when ordered special. Size, projection, $1\frac{1}{2}$ inches x 8 feet Height 8 to 10 inches.



A

B

228



Circular Corners. Special prices. Made to order concave or convex, 3 inches wide. For Ceiling. Girth, 5 in. Applies to Figs. 230, 231, 232 and 233.

230



Cornice Mould. Projection, $2\frac{1}{2}$ inches. Drop, $2\frac{1}{2}$ inches. Length, 8 feet. Girth, 6 in.

231



Cornice Mould. Projection, $3\frac{1}{2}$ inches. Drop, $3\frac{1}{2}$ inches. Length, 8 feet. Girth, $9\frac{1}{2}$ in.

232



Cornice Mould. Projection, $4\frac{1}{2}$ inches. Drop, $4\frac{1}{2}$ inches. Length 8 feet. Girth, 6 in.

233



Cornice Mould. Projection, 6 inches. Drop, 6 inches. Length, 8 feet, Girth $11\frac{1}{2}$ in.

192



Chair Mould, size drop, $4\frac{1}{4}$ inches. Projection, $1\frac{3}{4}$ inches x 8 feet.

Enriched Small Coves and Medium Cornices, Curved or Straight

225



COLONIAL COVE. Very bold. Length, 6 to 8 feet. Projection, 8 inches. Drop, 13 inches. Girth, 19½ inches.
854



Combination Cove, Frieze and Dental Mould. Projection, 4½ inches. Drop, 12 inches.
701



Egg and Dart Cove. Drop, 6 in. Projection, 4 in.
832



Egg mould 6x6x96 inches.
223



Leaf and Ball Cove. 3½ x 3½ inches. 7-inch girth.

219



Egg and Dart Cove Mould. 3 x 3 inches. 7-inch girth.
224



Egg and Dart Cove. 2½ x 2½ inches. 5-inch girth.
221



Egg and Dart Cove. 3 x 3½ inches. 7-inch girth.
226



Egg and Dart. 1½ x 1½ inches. 4½-inch girth.
220



Rococo COVE. 3½ x 3 inches. 7-inch girth.
222



Enriched Cove Mould and Frieze. Width, 5 inches. Projection, 1¾ inches.
856

856



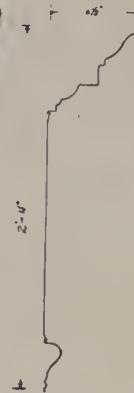
Dental Cove, 2½ x 3½ inches.
44



THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

A Complete Stamped Cornice and Frieze

675
GOTHIC STYLE



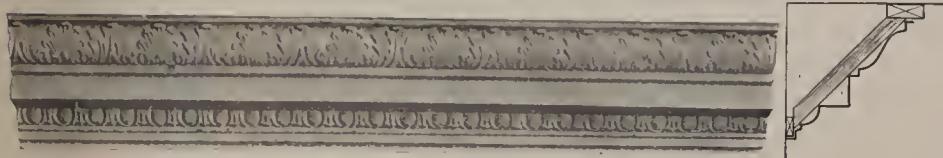
Stamped Cornices and Friezes, composed of three members (or pieces). Top member $6\frac{1}{2} \times 6\frac{1}{2}$ inches x 8 feet.
Center member $24 \times 17\frac{1}{4}$ or 24 inches. Bottom member 4×96 inches.

676
COLONIAL EMPIRE STYLE



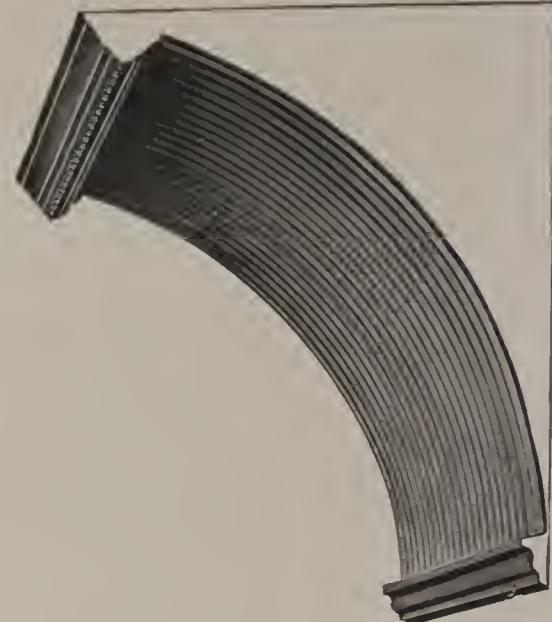
Top member $6\frac{1}{2} \times 6\frac{1}{2} \times 96$ inches. Center member $13\frac{1}{2}$ or $22\frac{1}{2} \times 96$ inches. Bottom member 5×96 inches.

751
RENAISSANCE



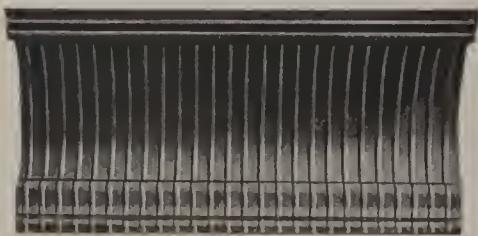
Renaissance Cornice. Projection, $6\frac{1}{2}$ inches. Drop $6\frac{1}{2}$ inches. Girth, 12 inches.

255



Imperial Cove. Girth, from 12 to 120 inches. Width of Curved Plates, in large reeds, 27 inches.

249



IMPERIAL Cove. Girth, 10 to 24 x 72 to 120 inches long. Girth, without Top Mould, 12 inches. Projection, 7 inches. Drop, 8 inches. Girth, without Top Mould, 15 inches. Projection, 8 inches. Drop, 10 inches. Girth, without Top Mould, 24 inches. Projection, 13 inches. Drop, 15 inches. Top Mould, $2\frac{1}{4}$ inches.

520



Cove. Girth, $13\frac{1}{2}$ inches. Projection, 6 inches. Drop, 9 in.
Top Mould, $2\frac{5}{8}$ inches wide.

Embossed Coves

545



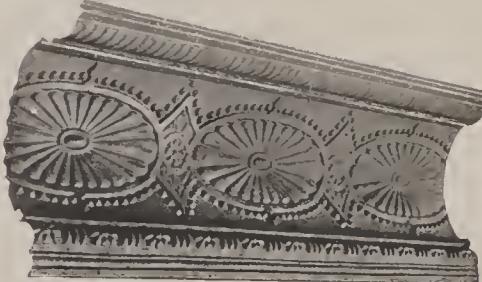
Cove. Girth, $17\frac{1}{2}$ inches. Projection, 8 inches.
Drop, 11 inches
Without Top Mould. Top Mould, $2\frac{3}{4}$ inches wide.

514



Girth, $13\frac{1}{2}$ inches. Projection, 6 inches. Drop, 9 inches.
Top Mould, $2\frac{1}{2}$ inches wide.

537



Cove. Girth, 12 inches. Projection, $4\frac{1}{2}$ inches.
Drop, $7\frac{1}{2}$ inches. Without Top Mould.
Top Mould, $2\frac{1}{2}$ inches wide.

Coves supplied with bottom mould in one piece, top mould separate or attached to the filler.

539



Cove. Girth, 13 inches. Projection, 6 inches.
Drop, 9 inches without Top Mould.
Top Mould, $2\frac{1}{4}$ inches.

247



ROMAN FRIEZE. Drop, 16 inches. Projection, 6 inches. Recedes, 5 inches
Made of Sheet Zinc and Galvanized Stock only.

543



Cove. Girth, 10 inches. Projection, $3\frac{1}{2}$ inches. Drop, $6\frac{1}{2}$ inches.



EMPIRE COLONIAL COVE. Girth, $20\frac{1}{2}$ x 96 inches. Drop on side wall, 13 inches. Projects on Ceiling, 11 inches.
 Girth, $19\frac{1}{2}$ inches, without Top or Bottom Moulds.
 Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.



EMPIRE COVE Girth, $21\frac{1}{2}$ x 36 inches. Drop on side wall 14 inches.
 Projects on ceiling 12 inches, without Top or Bottom Moulds.
 Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.

530



Cove with Top and Bottom Mould, all one piece.
Girth, 20 inches. Projection, 10 inches. Drop, 15 inches.
Length, 1 to 8 feet.

717

Gothic Cove. With Top and Bottom Mould.



Girth, 26 inches. Projection, 11 inches. Drop on Wall, 14 inches. Length, 48 inches

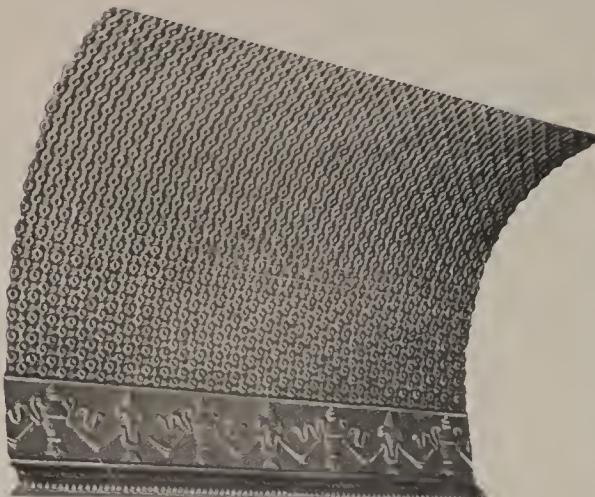
518



Girth, 10 inches. Projection, 4½ inches. Drop, 6½ inches.

Embossed Coves

532



Mould Cove. Projection, 16 inches. Girth, 28½ inches. Drop, 18 inches.

533



Girth, 11½ inches. Projection, 4 inches. Drop, 6½ inches.
Without Top Mould. Top Mould, 2 inches.

Coves supplied with Bottom Mould in one piece, Top Mould
separate or attached to the filler.

47



Foot Mould, Cove, Border and Styling. Girth, 27 inches.
Projection, 22½ inches. Drop on wall, 5 inches.

424



Foot Mould, Cove, Border and Styling. Girth, 28 inches.
Projection, 22 inches. Drop on Wall, 8 inches.

425



Foot Mould, Cove, Border and Styling. Girth, 28½ inches.
Projection, 19 inches. Drop on wall, 10 inches.

Embossed Coves (with separate Top and Bottom Mouldings)

15



Rococo COVE WITHOUT PILASTER. Girth, $18\frac{1}{2}$ inches. Projection, 11 inches. Drop, 13 inches. Length, 36 inches. Without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $3\frac{1}{8}$ inches.

235



EMPIRE Egg and Dart COVE and FRIEZE. $3 \times 9\frac{1}{2}$ inches. Girth, 12 inches. Projection, 3 inches. Drop, $9\frac{1}{2}$ inches.

234



Cove. Girth, $11\frac{1}{2}$ inches. Projection, 6 inches. Drop, 7 inches, without Top and Bottom Moulds. Top Mould, $1\frac{5}{8}$ inches, Bottom Mould, 2 inches.

248



LOUIS XVI COVE. Girth, $13\frac{1}{2}$ inches without Top and Bottom Moulding; these can be omitted or changed to any other style shown. Projection, 7 inches. Drop, 8 inches without Top or Bottom Mould. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, 3 inches.

243



Rococo COVE WITH PILASTER. Projection, 11 inches. Drop, 13 inches. Length, 48 inches. Girth, $18\frac{1}{2}$ inches without Top or Bottom Mould with Pilaster omitted, 36 inches long. Top Mould, $3\frac{3}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.

112



Girth, without Moulds, 14 inches. Projection, 8 inches. Drop, 9 inches. Girth, without Moulds, $9\frac{1}{2}$ inches. Projection, 5 inches. Drop, 6 inches. Top Mould, $1\frac{5}{8}$ inches. Bottom Mould, $3\frac{1}{4}$ inches.

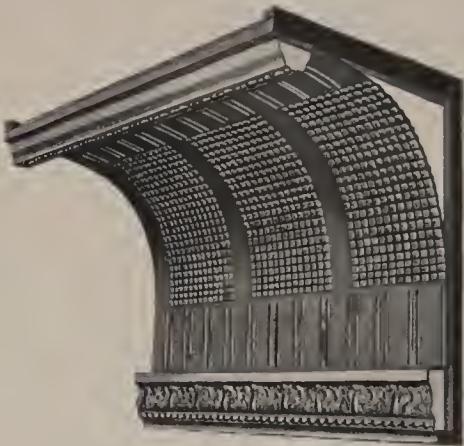
Embossed Coves, Top and Bottom Mouldings Separate

246



FRENCH RENAISSANCE. Projection, 11 inches. Drop, 13 inches. Girth, 19½ inches, without Top and Bottom Moulds. Top Moulds, 2½ inches. Bottom Moulds, 4¼ inches.

254



Moorish Quilted Fret Paneled Cove. Drop, 22 inches; projection, 17 inches.

239



GOTHIC COVE. Girth, 23 inches. Projection, 14 inches. Drop, 15 inches, without Top and Bottom Moulds. Top Mould, 2½ inches. Bottom Mould, 3¼ inches.

III



ELIZABETHAN COVE.

With Borders, Girth, 28½ inches. Projection, 18 inches. Drop, 19 inches. Without Borders, Girth, 22 inches. Projection, 14 inches. Drop, 15 inches. Top Mould, 3½ inches. Bottom Mould, 4½ to 5 inches.

238



GOTHIC COVE. Girth, without Moulds, 15 inches. Projection, 8 inches. Drop, 10 inches. Top Mould, 2½ inches. Bottom Mould, 3¼ inches.

241



Rococo Cove. Projection, 13 inches. Drop, 14 inches. Girth, 20½ inches, without moulds. Top Mould, 2½ inches. Bottom Mould, 4½ inches.

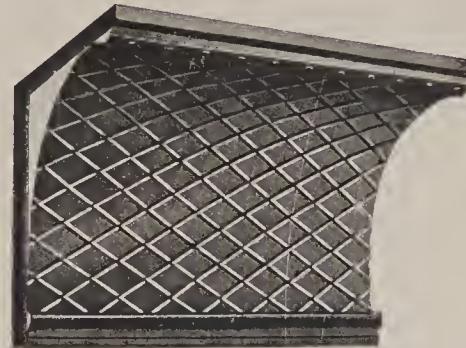
Embossed Coves, Top and Bottom Mouldings Separate

245



Cove. Girth, $17\frac{1}{2}$ inches. Projection, 10 inches. Drop, 11 inches, without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $3\frac{1}{4}$ inches

244



ROMAN COVE. Girth, 25 inches. Projection, 16 inches. Drop, 17 inches, without Top or Bottom Moulds.

541



Cove Girth, 2 inches. Projection, 13 inches. Drop, 16 inches. Without Top or Bottom Mould. Top Mould, $3\frac{1}{2}$ inches. Bottom Mould, $3\frac{3}{4}$ inches.

508



Cove. Projection, $13\frac{1}{2}$ inches. Drop, 15 inches. Girth, 22 inches, without Top or Bottom Moulds. Top Mould, 6 inches. Bottom Mould, 6 inches

242



GERMAN RENAISSANCE COVE. Girth, $16\frac{1}{2}$ inches. Projection, 10 inches. Drop, 11 inches. Without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $2\frac{1}{4}$ inches.

240



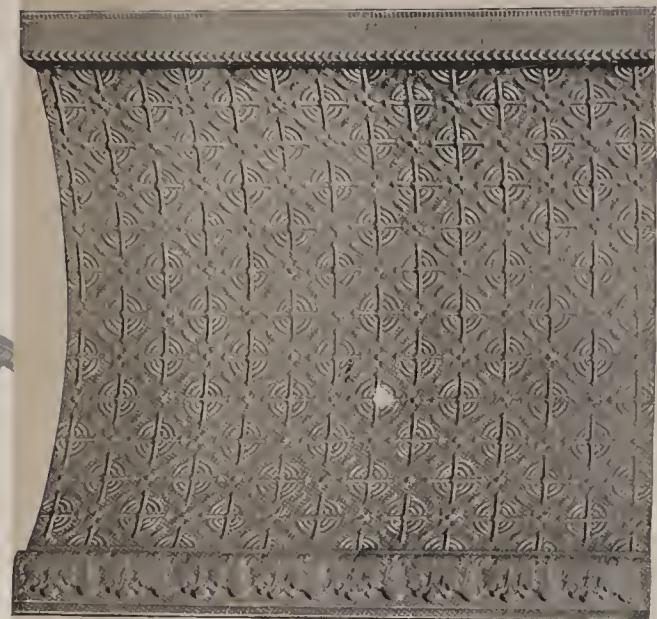
ENGLISH HELMET COVE. Projection, 12 inches. Drop, 16 inches. Girth, $21\frac{1}{2}$ inches, without Top or Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches wide. Bottom Mould, $4\frac{1}{4}$ inches wide.

EMBOSSED COVES, TOP AND BOTTOM MOULDINGS SEPARATE

106

256

250



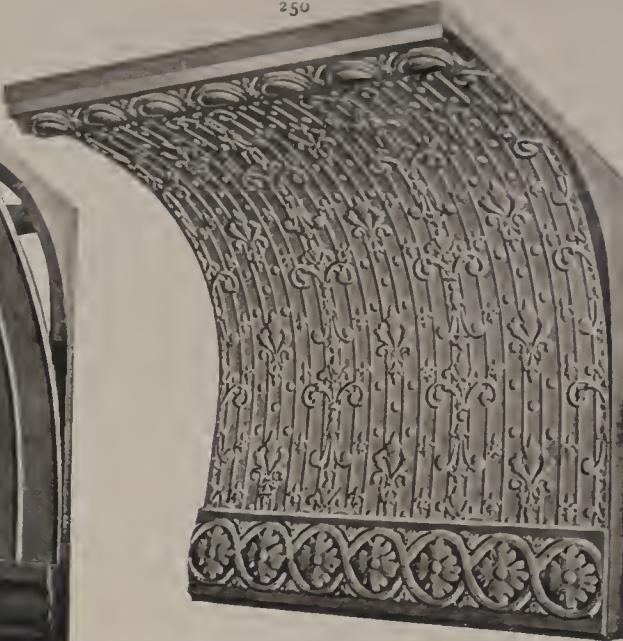
Girth, without Moulds, 7 inches. Projection, 4 inches. Drop, 5 inches.
 Girth, without Moulds, 14 inches. Projection, 8 inches. Drop, 9 inches.
 Girth, without Moulds, 21 inches. Projection, 13 inches. Drop, 14 inches.
 Girth, without Moulds, 28 inches. Projection, 18 inches. Drop, 18 inches
 Top Mould, 2¾ inches. Bottom Mould, 4¼ inches.

107



IMPERIAL COVE. Girth, from 12 to 48 inches. Mouldings Top and Bottom can be changed to any style we manufacture. Top Mould, 6 inches.
 Bottom Mould, 6 inches.

251

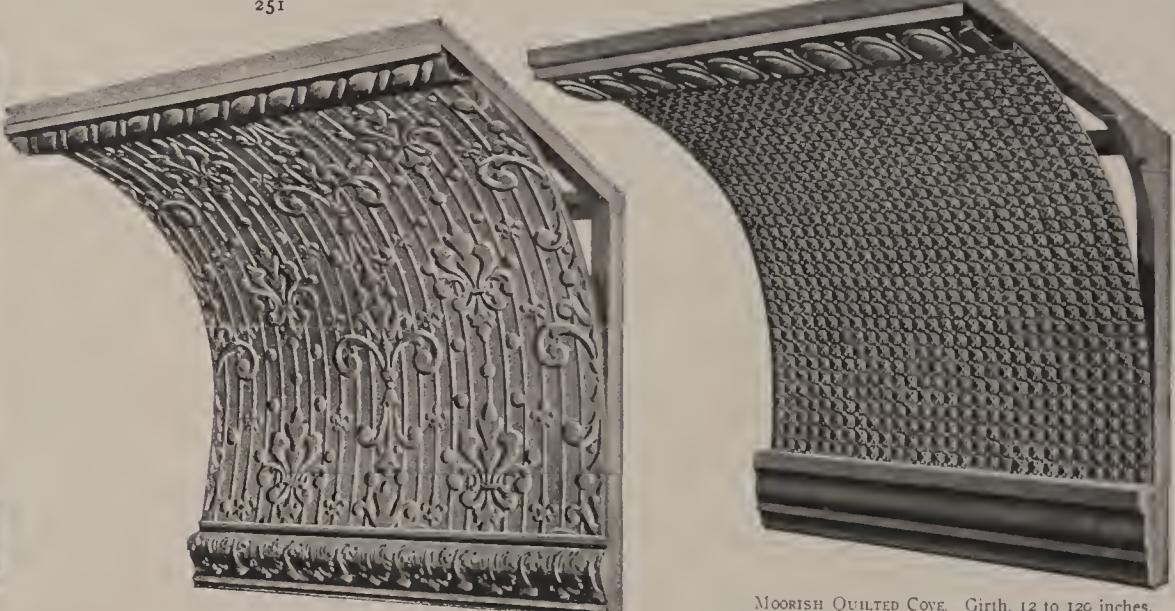


FLEUR DE LIS, No. 2. Girth, 12 to 120 inches.
 Top Mould, 3¾ inches. Bottom Mould, 6 inches.

252



Girth, without Moulds, 28 inches. Projection, 18 inches. Drop, 18 inches.
 Girth, without Moulds, 19 inches. Projection, 12 inches. Drop, 12 inches.
 Top Mould, 2¾ inches. Bottom Mould, 4¼ inches.



FLEUR DE LIS, No. 1. Cove. Girth, 12 to 120 inches.
 Top Mould, 3½ inches. Bottom Mould, 4¼ inches.

51

MOORISH QUILTED COVE. Girth, 12 to 120 inches.
 Top Mould, 6 inches. Bottom Mould, 6 inches.

Zinc or Copper Brackets



Projection, 13 inches.
Depth, 7 inches.
Face, 8 inches.



Projection, 13 inches.
Depth, 13 1/4 inches.
Face, 9 inches.



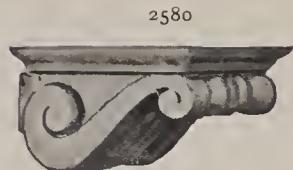
Projection, 15 inches.
Depth, 9 1/4 inches.
Face, 6 3/4 inches.



Projection, 11 1/2 inches.
Face, 6 inches.
Depth, 6 inches.



Projection, 15 1/2 inches.
Face, 7 1/2 inches.
Depth, 6 inches.



Projection, 9 inches.
Height, 5 inches.
Face, 6 inches.



Projection, 17 inches.
Depth, 9 inches.
Face, 6 3/4 inches.



Projection, 14 inches.
Depth, 7 1/2 inches.
Face, 5 inches.



Projection, 11 1/2 inches.
Face, 5 1/2 inches.
Depth, 4 3/4 inches.



Projection, 9 inches.
Depth, 6 1/2 inches.
Face, 3 inches.



Projection, 9 3/8 inches.
Depth, 6 inches.
Face, 4 1/2 inches.



Projection, 10 1/2 inches.
Face, 6 inches.
Depth, 6 inches.



Projection, 11 3/4 inches.
Depth, 5 3/4 inches.
Face, 3 1/2 inches.
Also Projection, 9 inches.
Depth, 4 3/4 inches.
Face, 3 inches.



Projection, 15 inches.
Depth, 10 inches.
Face, 9 inches.



Projection, 6 inches.
Depth, 6 inches.
Face, 4 1/2 inches.



Projection, 14 1/2 inches.
Depth, 5 1/2 inches.
Face, 6 1/2 inches.



Projection, 3 inches.
Length, 12 inches.
Face, 3 3/4 inches.



Projection, 7 1/2 inches.
Depth, 6 inches.
Face, 3 1/2 inches.



Projection, 15 inches.
Depth, 12 inches.
Face, 8 inches.



Projection, 11 1/2 inches.
Depth, 4 3/8 inches.
Face, 4 inches.

Special sizes and designs made from architects' drawings and plans.

ZINC OR COPPER CAPITALS

2781



(Square) Neck, 17 $\frac{1}{2}$ inches.
Height, 10 inches.

2562



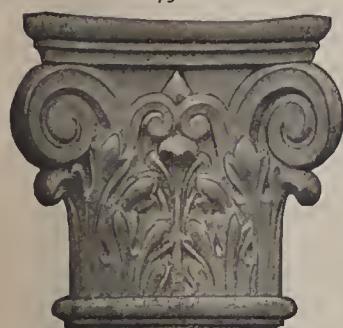
(Round) 3 inches. Height, 7 inches.

993



(Square) Neck, 13 $\frac{1}{2}$ inches.
Height, 15 inches.

2796



(Square) Height, 15 inches.
Neck, 10 inches. Projection, 15 inches.

2951



2951 (Square) Neck, 7 in. Height, 8 in. Abacus, 12 in.
2952 (Square) Neck, 6 $\frac{1}{2}$ in. Height, 10 in. Abacus, 12 in.
2953 (Round) Neck, 4 in. Height, 7 $\frac{1}{2}$ in. Abacus, 9 in.
2954 (Square) Neck, 8 in. Height, 7 $\frac{1}{2}$ in. Abacus, 11 in.

2799



(Square) Height, 8 inches.
Neck, 9 inches. Abacus, 12 in.
Also - Neck, 10 $\frac{1}{2}$ in. Abacus, 14 in.
Height, 8 inches.
Neck, 6 $\frac{1}{4}$ inches. Abacus, 9 $\frac{1}{2}$ inches. Height, 8 inches

2189



(Round) Neck, 10 $\frac{1}{2}$ inches.
Height, 9 inches. Full Cap.
Neck, 6 inches. Height, 5 inches.

Width, 11 $\frac{1}{2}$ inches.

Also - Neck 12 in. Height, 8 in. Abacus, 17 in.
(Square) Neck, 17 $\frac{1}{2}$ in. Abacus, 28 in. Height, 17 in.
Special sizes and designs made from architects' drawings and plans.

2952

2954

2800



(Round)
Height, 7 inches. Neck, 4 in.
Projection, 7 $\frac{1}{2}$ inches.

3178



(Square) Neck, 24 in. Abacus, 36 in. Height, 17 in.
(Square) Neck, 17 $\frac{1}{2}$ in. Abacus, 28 in. Height, 17 in.

2793



(Round) Height, 15 inches. Neck, 10 $\frac{1}{2}$ inches.
Projection, 16 inches.

2791



(Square) Height, 16 inches. Neck, 12 inches.
Abacus, 20 $\frac{1}{2}$ inches. Full Cap.

2653



(Round) Height, 20 $\frac{1}{2}$ inches. Abacus, 24 inches.
Size of column, 15 $\frac{3}{4}$ inches. Full Cap. Half Cap.

All Sheet Zinc Products

In and Out Zinc Mitres for Coves Specified



Out Mitre.

For Cove, Fig. 533.

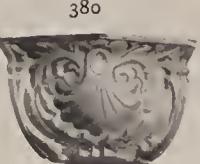


In Mitre.



Out Mitre.

For Cove, Fig. 537.



In Mitre.



Out Mitre.

For Cove, Fig. 545.



In Mitre.

2830



Height, 24 inches.
Base, 4 1/2 inches.

2832



5 1/2 x 15 3/4 inches.

3165



12 x 4 inches.

2834



Height, 22 in.
Width, 9 in. Base, 8 in.

2835



6 1/2 x 18 inches.

3167



5 1/2 x 15 inches.

2527



4 1/2 x 20 1/4 inches

2840



Height, 12 inches.
Neck, 3 1/2 inches.

2632



3 1/2 x 17 inches.

1127



2 3/4 x 20 1/2 inches.

651



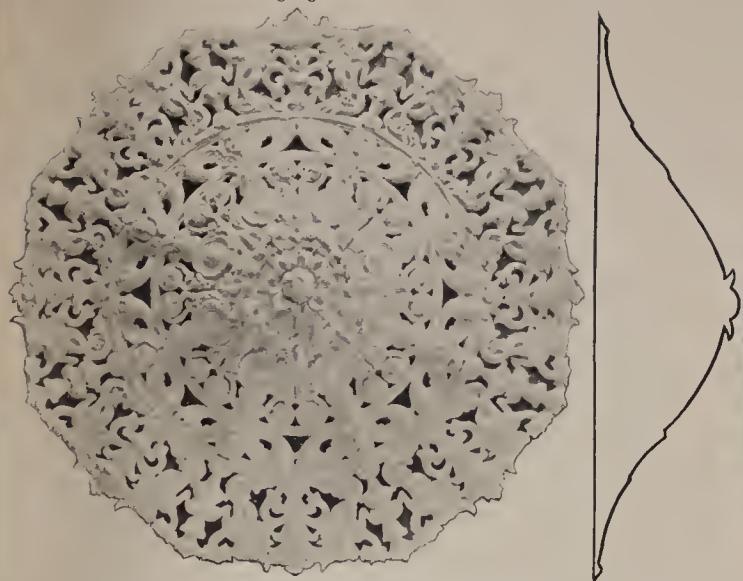
7 5/8 x 24 inches

2833



8 x 24 inches.

3205



Ventilating Center. Diameter, 48 inches. Drop, 15 inches.
Ventilating Center. Diameter, 72 inches. Drop, 15 inches.

ZINC STAMPED ORNAMENTS

529



263



36 inches diameter.

271



33 inches diameter.

277



20½ x 38 inches.

272

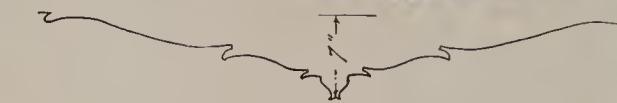


16½ inches diameter.

284



8½ inches diameter. Bold.



Circular Ventilating Center, made of Sheet Zinc, in two sizes.
Ventilating Center. Diameter, 48 inches. Drop, 8 to 12 inches.
Ventilating Center. Diameter, 36 inches. Drop, 8 to 12 inches.

282



Electric Drop Bulb. Diameter, 7 inches. Drop, 7½ inches.

273



16 inches diameter.

55



17 inches diameter.



9 inches diameter.

275



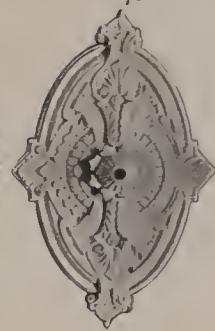
20½ inches diameter.

269



12 x 12 inches.
Used for Center Piece in Deep Plates.

276



18 x 30 inches.

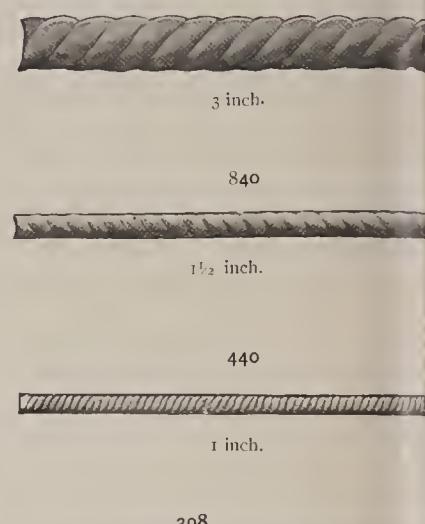
Zinc Rope Moulds



No.	Size. inches.	Price each.	No.	Size. inches.	Price each.	No.	Size. inches.	Price each.	No.	Size. inches.	Price each.
1	11	\$.88	12	7 $\frac{1}{2}$ x 7 $\frac{1}{2}$	\$.38	24	6	\$.20	36	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	\$.12
2 (in pairs)	11 $\frac{1}{2}$ x 12	1.09	13	6 x 6	.44	25	6	..	37	4 x 4	.10
3	9 $\frac{1}{2}$	.44	14	4 x 4	.14	26	5	.13	38	3 $\frac{1}{4}$ x 3 $\frac{1}{4}$	.10
4	8	.30	15	2 $\frac{1}{2}$	.05	27	5 x 5 $\frac{1}{2}$	.13	39	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	.10
5	2 $\frac{1}{2}$	.05	16	10 x 8 $\frac{1}{2}$	.38	28	5 x 2	.13	40	3 $\frac{1}{2}$ diam.	.10
6	1 $\frac{5}{8}$	.04	17	10 $\frac{1}{4}$ x 4 $\frac{1}{4}$	.38	29	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	.14	41	2 $\frac{3}{4}$ x 2 $\frac{3}{4}$	.09
7	1 $\frac{1}{4}$	.04	18	7 $\frac{1}{2}$ x 7 $\frac{1}{2}$	.15	30	4 x 4	.12	42	3 $\frac{3}{4}$ x 3 $\frac{3}{4}$	.12
8	1 $\frac{1}{8}$	.04	19	10 x 5	.20	31	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	.12	43	3 $\frac{1}{2}$ diam.	.12
9	1 $\frac{1}{4}$ x 1 $\frac{1}{4}$	.05	20	4 $\frac{1}{2}$ x 8 $\frac{1}{2}$	.15	32	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	.12	44	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	.23
10	10	.63	21	3 x 5 $\frac{1}{2}$	.13	33	4 $\frac{1}{2}$ diam.	.13	45	3 x 2	.10
11	9 $\frac{3}{4}$ x 9 $\frac{3}{4}$	.63	22	8	.38	34	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	.10	46	3 diam.	.10
			23	5 $\frac{1}{2}$ x 5 $\frac{1}{2}$	.14	35	4 $\frac{1}{2}$ x 4	.13	47	2 $\frac{1}{2}$ x 2 $\frac{1}{2}$	.05

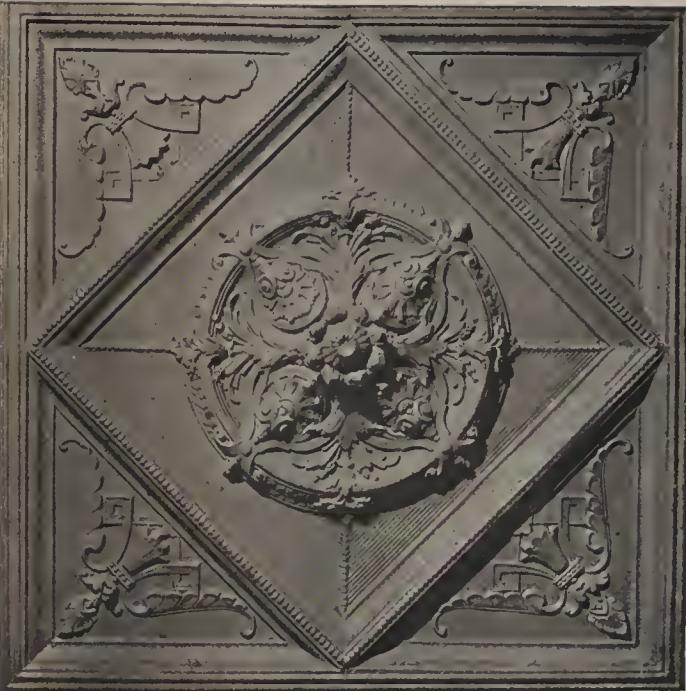


Zinc and Galvanized Center, Size 57 x 57 inches.



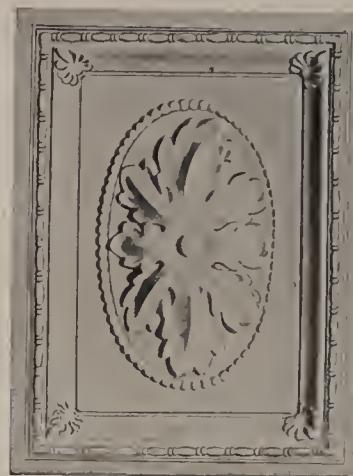
Zinc Center Pieces

444



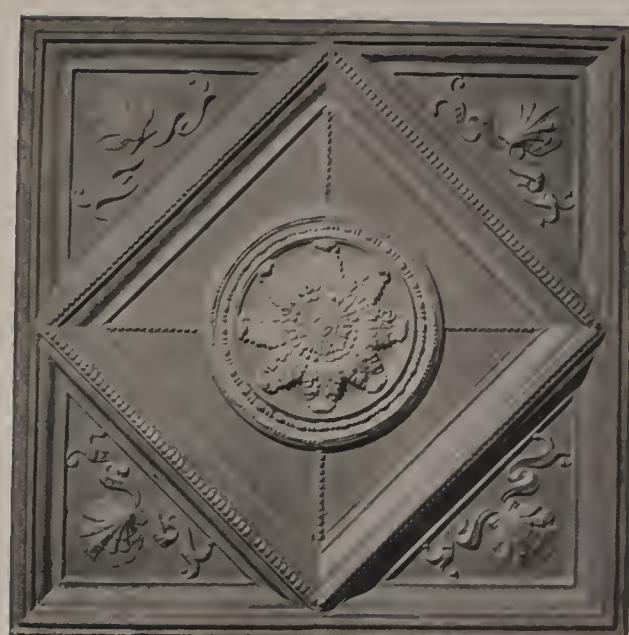
Zinc Center Pieces. Size, 48 x 48 inches. $2\frac{1}{4}$ inches deep moulds.

258



Size, 15x20 inches.

446



Center, Size 38 x 38 inches, or can be made 38 x 57 inches, by using extension 9 x 38. Fig. 445.

279



Size, $16\frac{3}{8}$ x $16\frac{3}{8}$ inches.

260



283



262



$1\frac{3}{4}$ inches diameter.

$5\frac{1}{2}$ inches diameter Bold

445



Extension 9x38 to be used to increase Fig. 446 to 38x57 inches.

Zinc Galvanized Centers

862

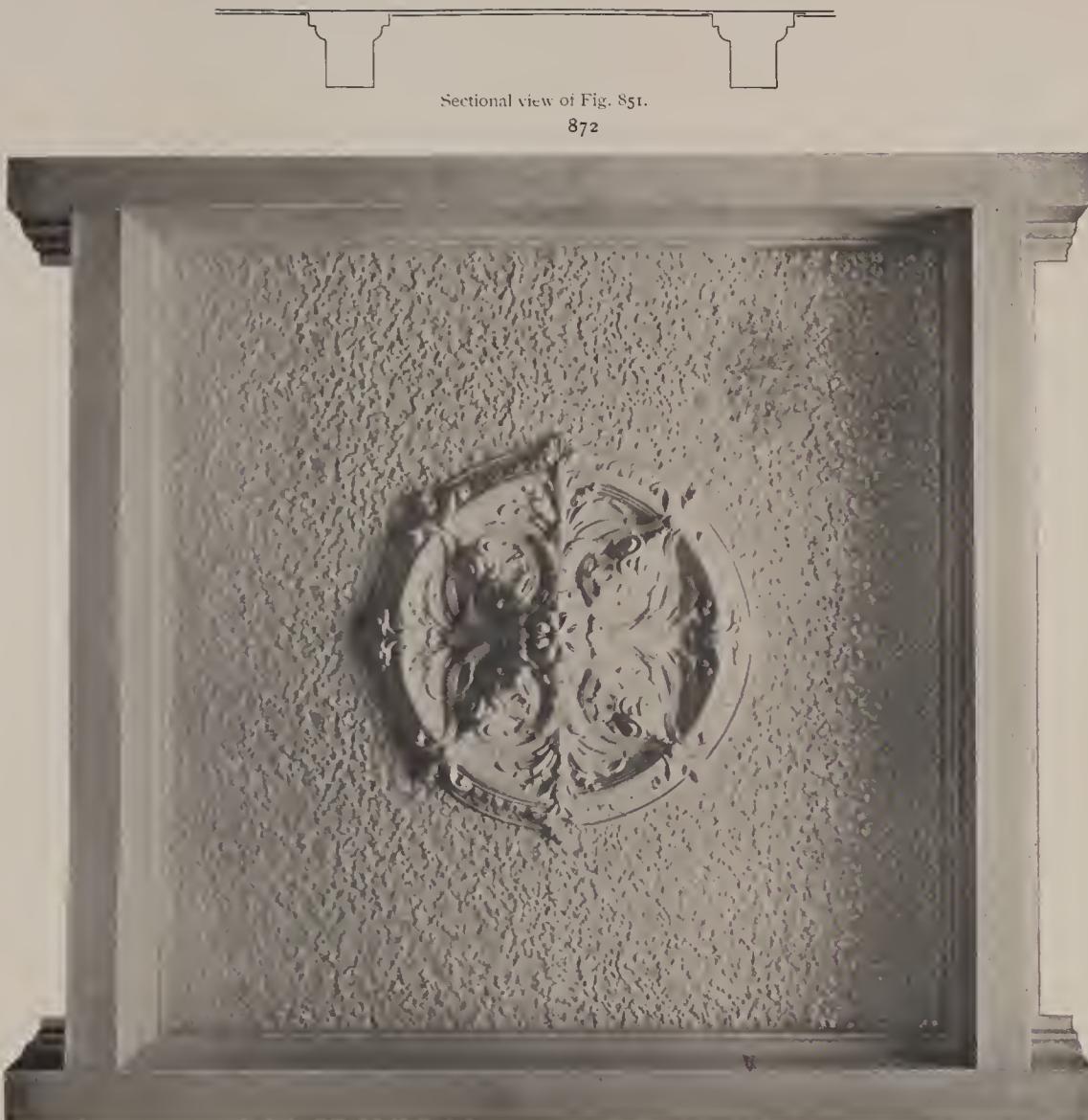


Size, 30x30 or 24x24. Center for Stipple Work Zinc and Galvanized Stock.

861

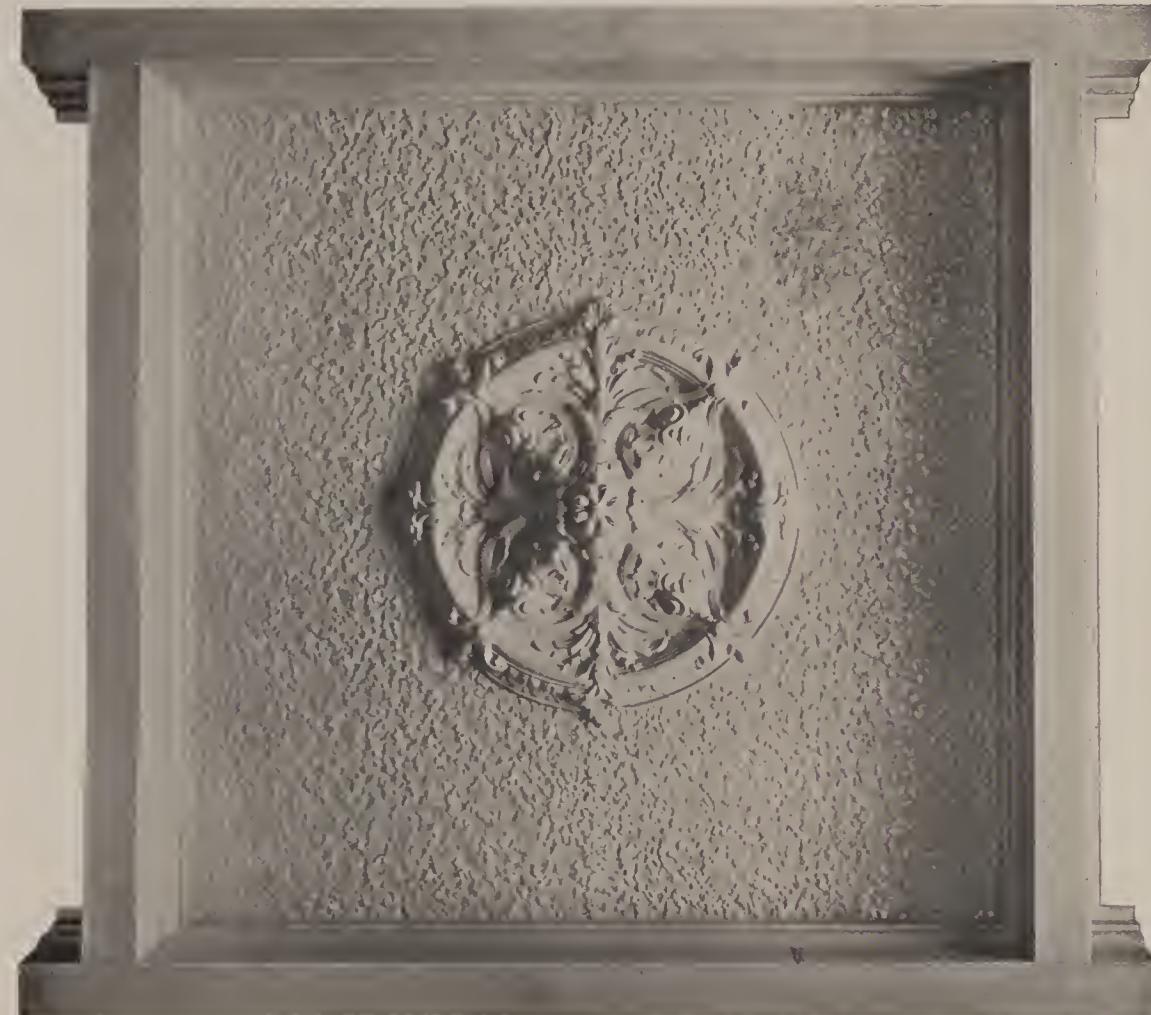


Size, 24x24 or 30x30. Center for Stipple Work Zinc and Galvanized Stock.



Sectional view of Fig. 851.

872



Size, 30x30 or 60x60. Beams varied in size as per specification. Zinc and Galvanized Stock. (Beams of Painted Steel Stock when specified.)

850



Center for any plates 18x18 or 18x36 inch shallow or deep Mould Plates. Finished Center, 36x36 inches

732



24x24 inches. $3\frac{1}{2}$ inches deep. Used as Field Plate in ceiling or as a center piece in combination.

Any plates, 12x24 and 12x12, Deep or Beaded, form Centers 48x48 inches.

Painted Steel Centers

60



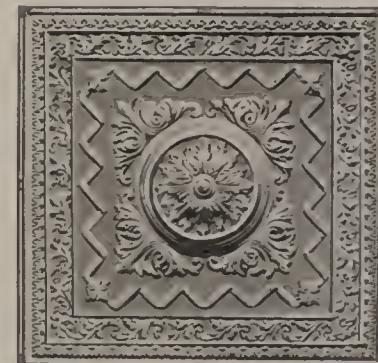
Moorish Field Work. Size, 48x48 inches mounted. In plates 24x48 inches. Made Ventilating when desired.

868



Center 24x24 inches. Used with any shallow or deep plates with zinc ornament in center like figure 850.

96



Centers. Size, 24x24 inches.



THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

Painted Steel Centers

95



Size, 24 x 7 x 24 inches.

Triangular Plates for Center Pieces. Center Plates, 24 x 24 inches, of any style we make, with Heavy Zinc Ornaments, deep or shallow. See Figs. 418, 441, 442 and 443

418



Size, 48 x 48 inches.

This Center can be used with all our Beaded or Moulded Deep Plates.

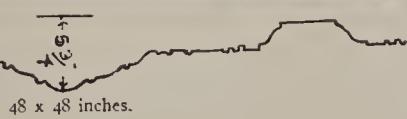
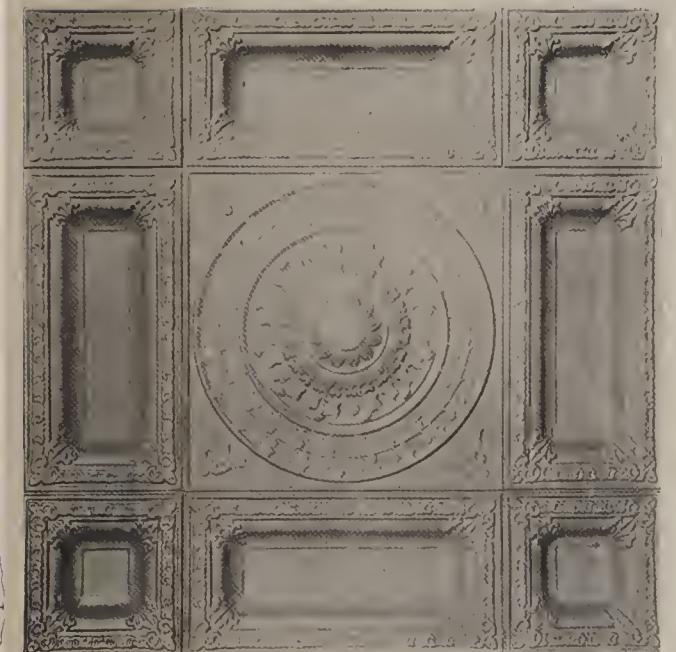
807



Center, 48 x 48 inches.

Painted Steel Centers

808



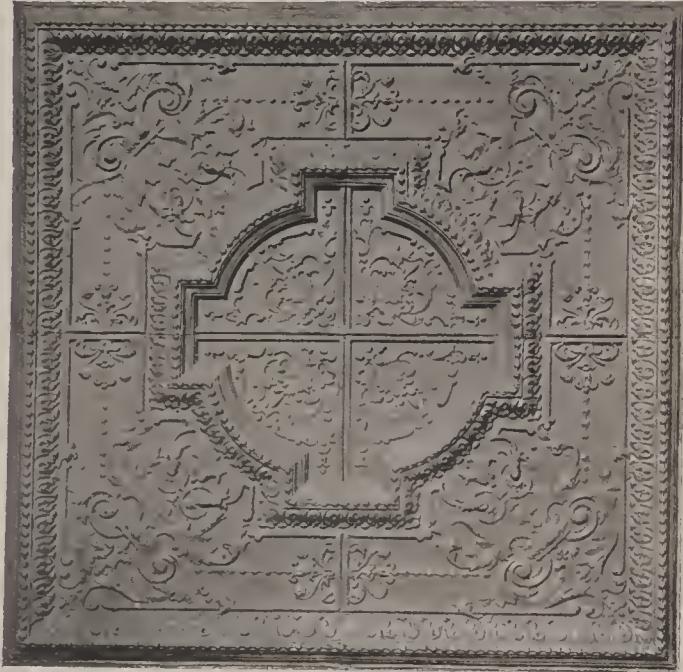
711



Field Center. Made Ventilating when desired.

Painted Steel Centers with and without Zinc Ornaments

588



588

48" x 48"
Size, 48 x 48 inches. Depth, 1½ inches.

Work with all style plates. Deep, Beaded or Continuous Ceiling Plates. Also with Multiple of Plates.

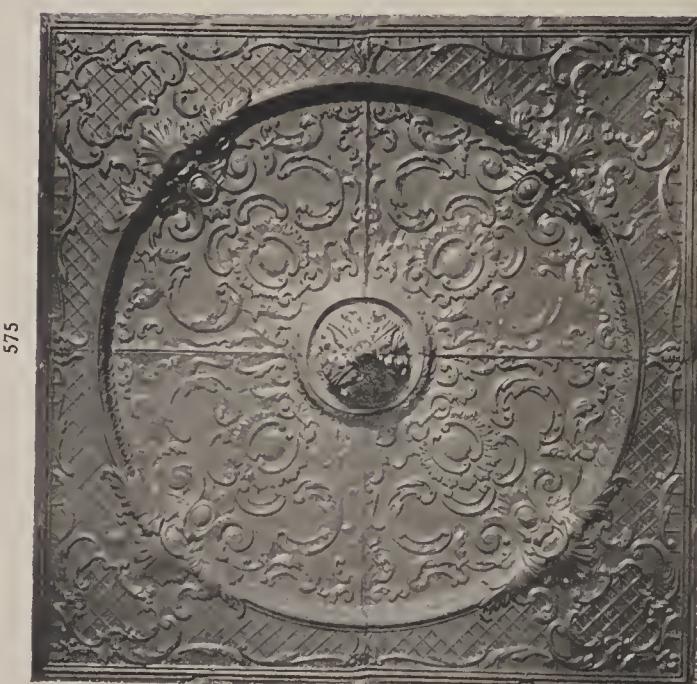
589



589

48" x 48"
Size, 48 x 48 inches. Depth, 1½ inches.

62



575

48" x 48"
Size, 48 x 48 inches. Depth, 1½ inches.

Size, 48 x 48 inches.
Formed from Plates Fig. 76 or 78.

575

Painted Steel Centers with or without Zinc Ornaments

291



Center, 48 x 48 inches.

443

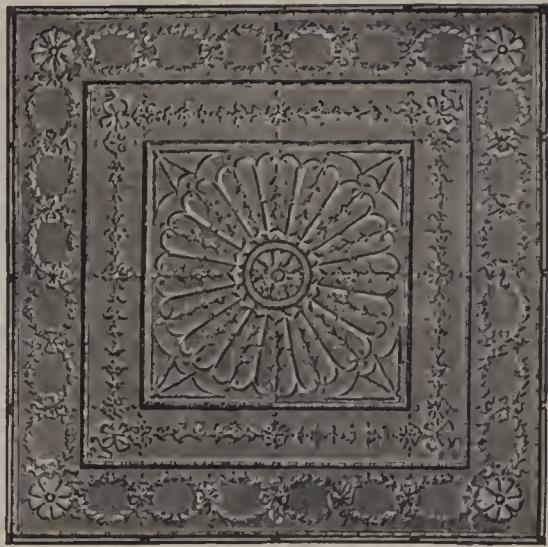
286



Center, 36 x 36 inches.

442

820



Center, 48 x 48 inches.

441



COLONIAL Center. Size, 24 x 24 inches.



EMPIRE Center. Size, 24 x 24 inches.

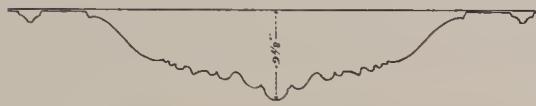


Centers. Size, 24 x 24 inches.



Rococo Center. Size, 24 x 24 inches.

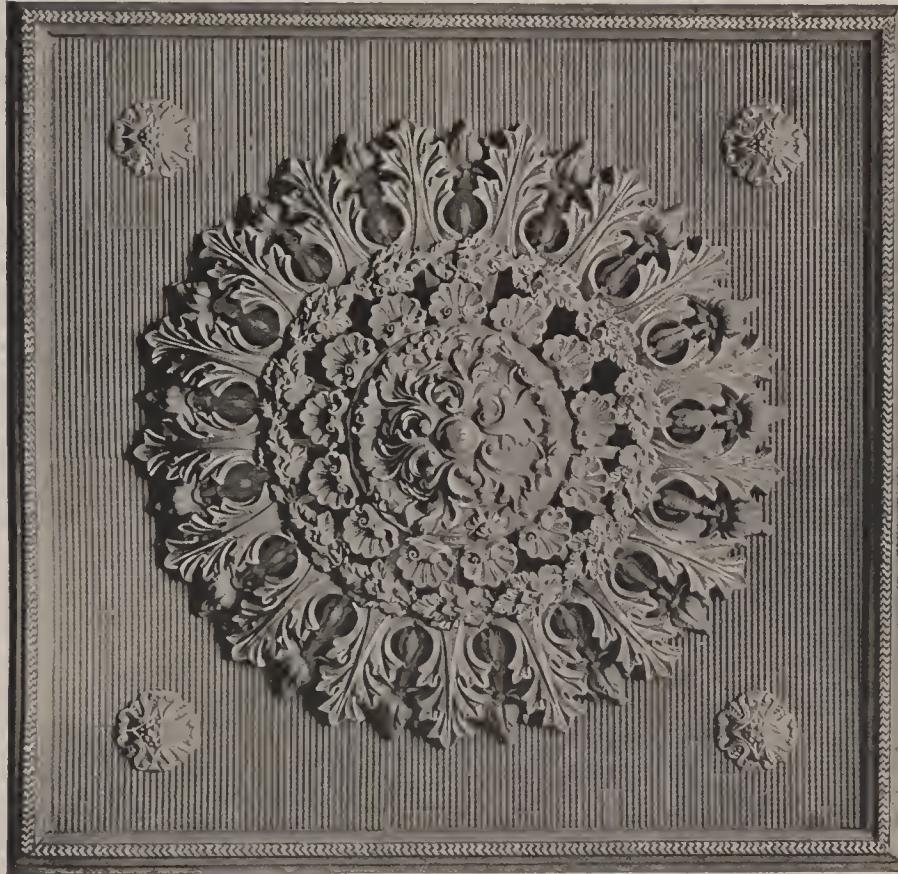
Zinc Ventilating Center Pieces Mounted



301



300

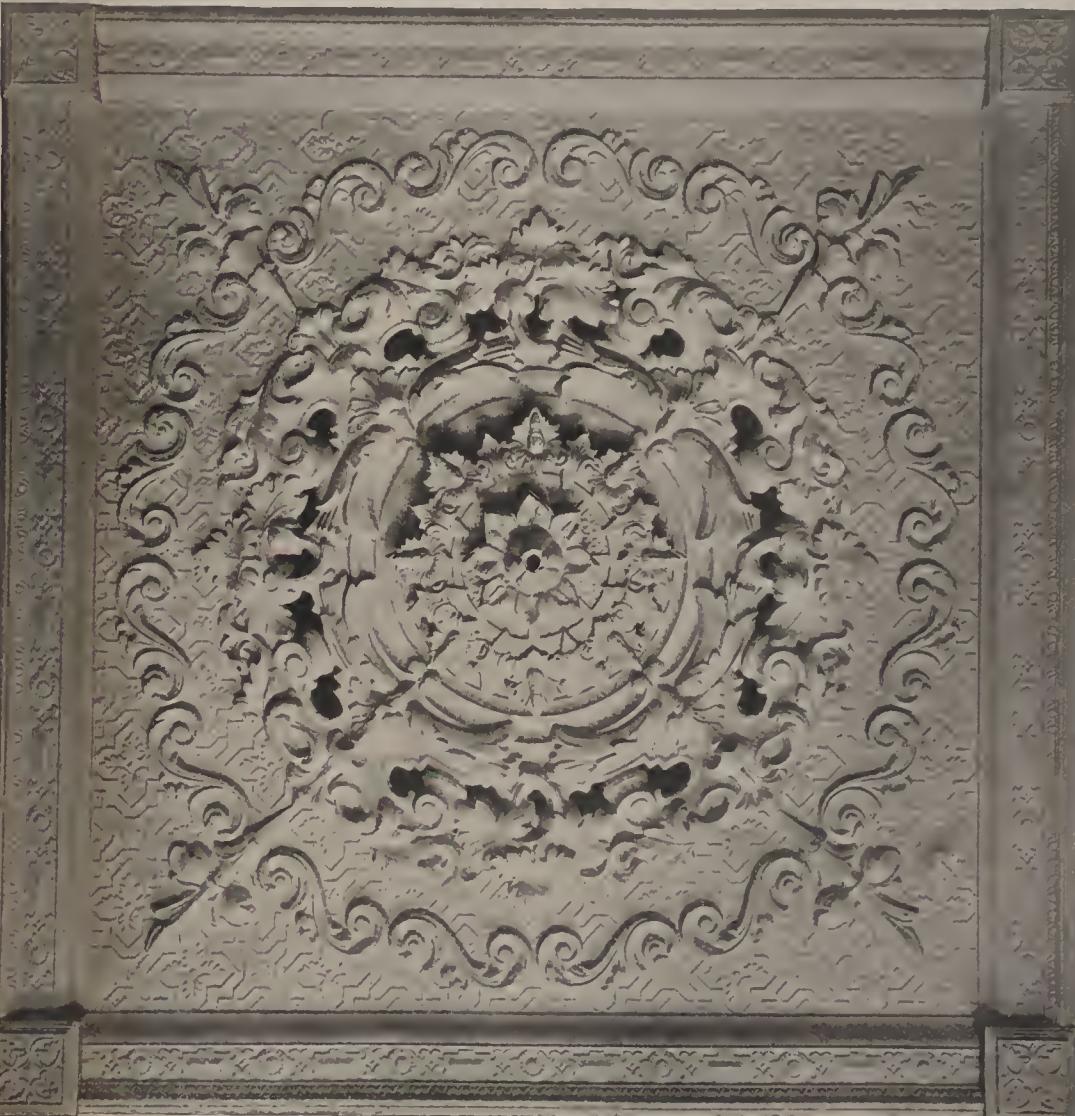


Size, 54 x 54 inches. Ventilating. Used with all style plates or continuous work.
Outside Moulding Changed to Fig. 236, and Corner Blocks, Fig. 216.



Ventilating Center. Size, 48 x 48 inches. Center Bulb Drops, 12 inches
Diameter, 13 inches.

528



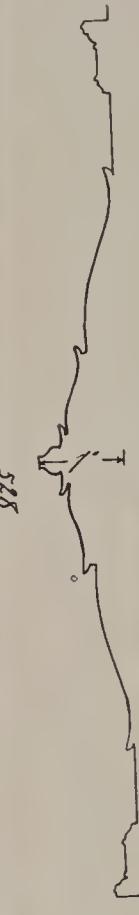
Ventilating Centers, Mounted, 6 inches Mould and Block, 72 x 72, or 96 x 96. Drop, 8 to 14 inches.
Any style outside Mouldings we manufacture can be used

299



Ventilating Center. Size, 24 x 24 inches.

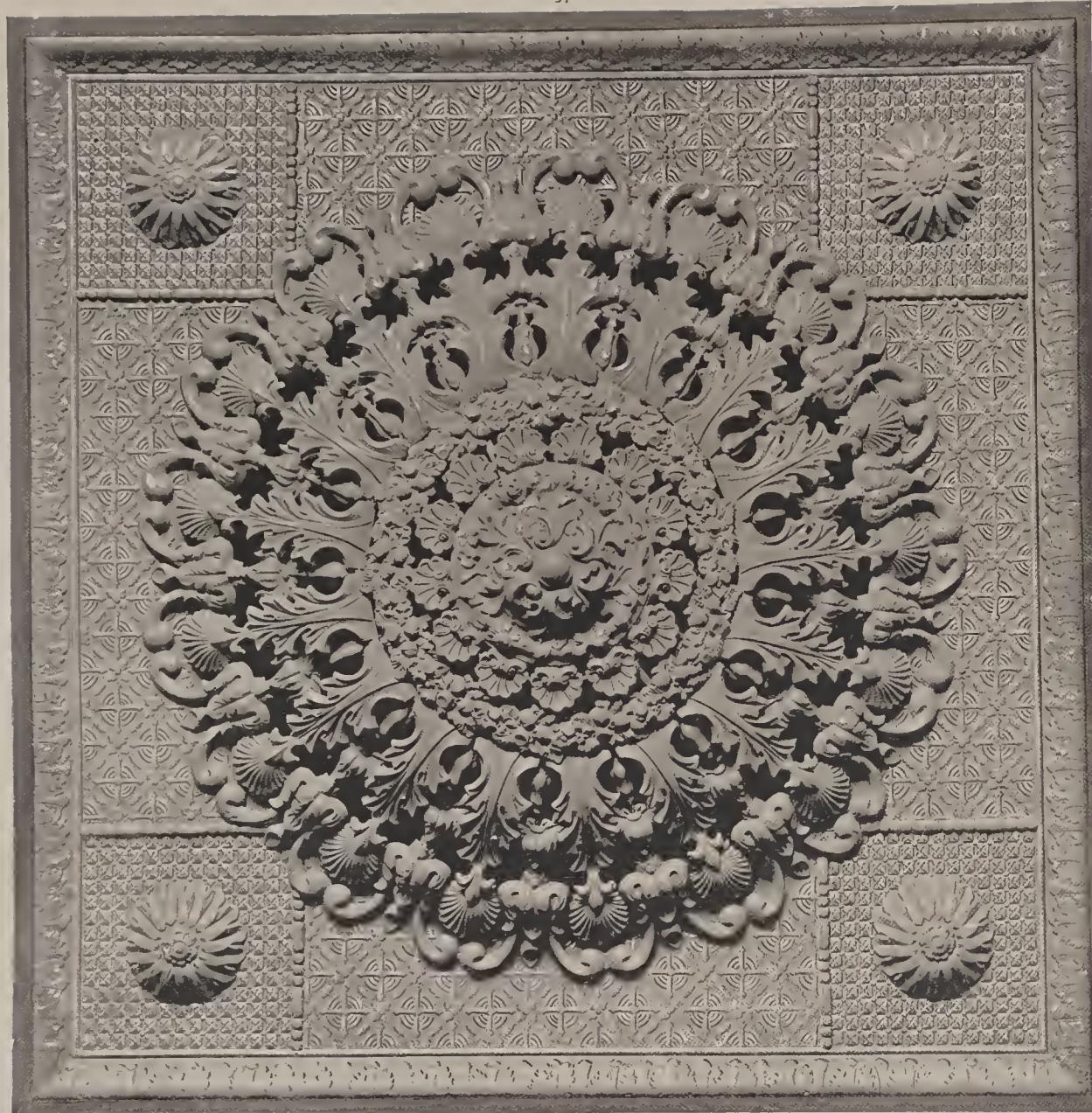
275



298



Ventilating Center. Size, 36 x 36 inches.



Zinc Mounted
Ventilating Center



Size, 72x72 inches.

Outside Moulding changed to any style we manufacture

Increased to 84 or 96 inches square if desired

Special for Churches and Large Halls.



THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

Zinc Mounted Ventilating Centers

839



Mounted Ventilating Center.
Three sizes—72x72, 84x84 and 96x96.
Mould, Fig. 194 or any style we manufacture.



Lord's Supper.

Size, 4 feet 1½ in. by 5 feet 3 in.

Bas Relief and Frame. Old Ivory or Oxidized Metal. Frame Onyx or Black Enamelled, trimmed with Gold Leaf. Complete. Prices on application.

The Saviour, 10 Years of Age.



Size, 2 feet 9 inches by 3 feet 8 inches.
Complete, Decorated, Old Ivory or Oxidized Metal.
Frames Bronzed or Oxidized.
Prices on application.



THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

Bas Relief Plates and Frames

Complete Decorated in Old Ivory or Oxidized Metal Frame, Ivory, Black or Bronzed. Prices on application.

585

586



26½ x 37¾ inches.

587



26½ x 37¾ inches.



MADONNA. 2 feet 9¾ inches by 4 feet 8¾ inches.

69

Bas Relief Plates and Frames

OPHELIA.

580



3 x 5 feet.

Complete, Decorated, Old Ivory or Oxidized Metal.
Bronzed or Ivory, Black with Gold or Silver.
Prices on application.

447



Size, 27 x 31 inches.

Wall Decoration, Zinc. Decorated in Old Ivory or
Oxidized Metal, for vestibule ornament in
side panel.
Prices on application.

SPRING.

581



3 x 5 feet.

Bas Relief Plates and Frames

Complete Decorated. Old Ivory or Oxidized Metal. Frame Ivory, Black or Bronzed.
Prices on application.

318

NYMPH.

578



2 feet 6 $\frac{1}{2}$ inches by 4 feet 1 $\frac{1}{2}$ inch.



Height, 29 inches. Projection, 20 inches. Spread of wings, 23 inches.

DIANA.

579



2 feet 6 $\frac{1}{2}$ inches by 4 feet 1 $\frac{1}{2}$ inch.

Bas Relief Plates and Frames

Frame Ivory, Black or Bronzed. Complete Decorated Old Ivory or Oxidized Metal
Prices on application.

SPRING.
583



2 feet 9 inches by 3 feet 8 inches.



Height, 51 inches. Width, over arm, 15 inches.
Projection, 8 inches.

FALL.
582



2 feet 9 inches by 3 feet 8 inches.

814



334



Wood Base.

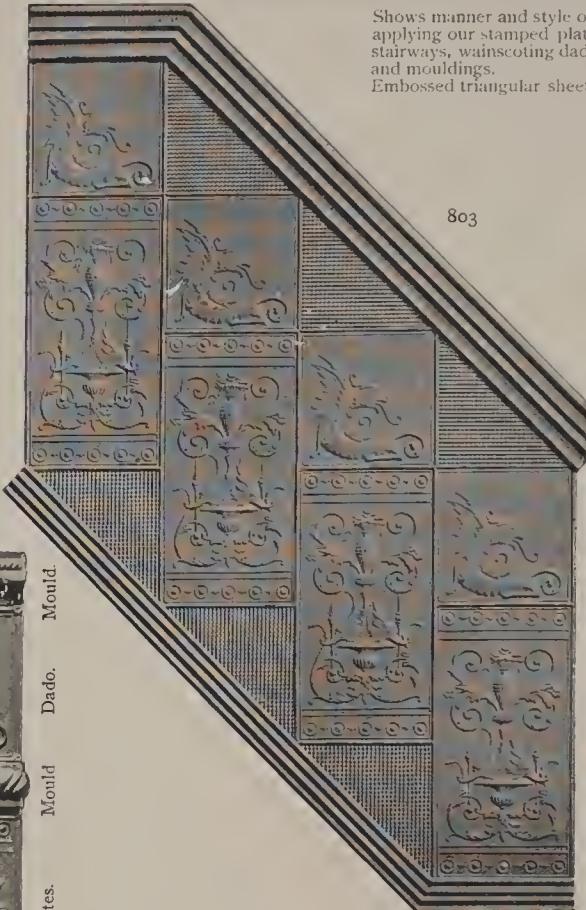
Wainscoting Plates.

Dado.

Mould.

Shows manner and style of applying our stamped plates
stairways, wainscoting dadoes,
and mouldings.
Embossed triangular sheets.

803



336



Wood Base.

Wainscoting Plates.

Dado.

Mould.

Chair Mould.

Gothic and Rustic Designs

206

207

349



Rustic Bead Siding and Moulds.
13 inch centers. Length, 3 to 10 feet. Beads, 2 inches diameter.

722



720

Gothic Beaded Side-Wall with stipple centers. Center of bead 3 inches.
Body sheet 24x96 to 120 inches.

721



Frieze or Cove. Bead 3 inch centers. Width 10 to 18 inches. Length 48 to 120 inches

351



Gothic Ornament. Made only in Zinc.
Height, 12 inches. Length, 22 inches. Depth, 6 inches.

719



24 x 48 inches.

74

Intermediate Plate.



This plate varies in length from 1 to 4 feet.
Field Plate

24x48 inches.



24 x 48 inches.



24 x 48 inches.

Colonial Ceiling Plate. 1 $\frac{1}{4}$ inch deep Mould.



Width, 24 inches. Length, 24 inches to 144 inches.

348

Gothic and Rustic Designs

357



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.

360



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.

863

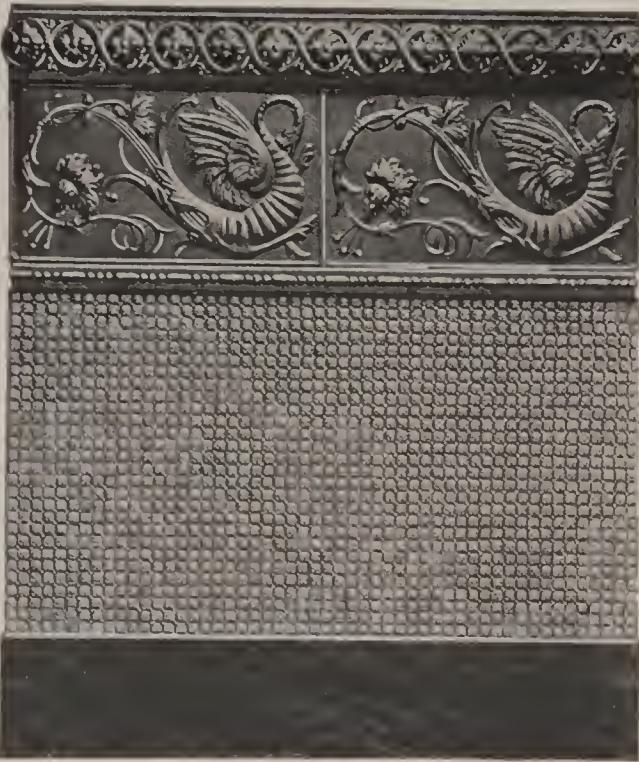


Rustic Wainscoting 4 to 6 feet high. Centers 13 inches, ribs 2 inches diameter.

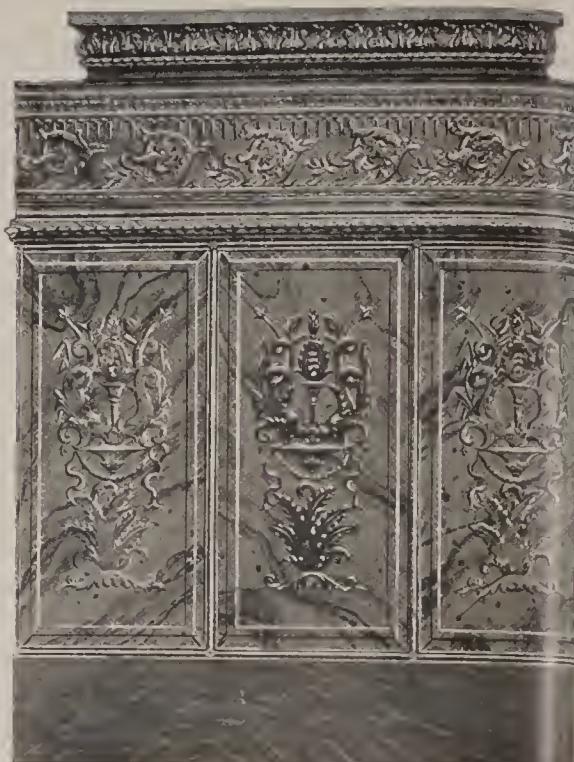
363



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.



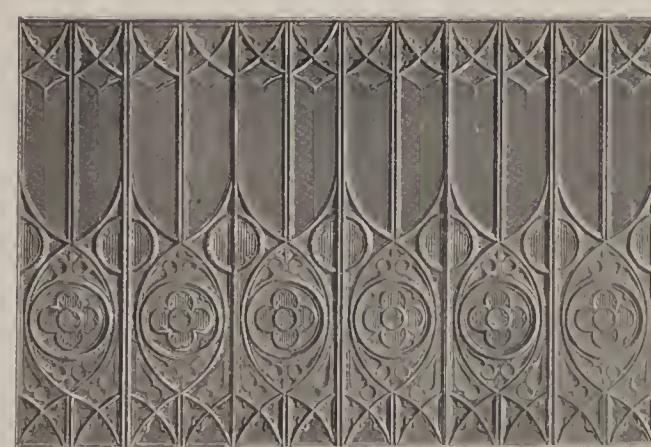
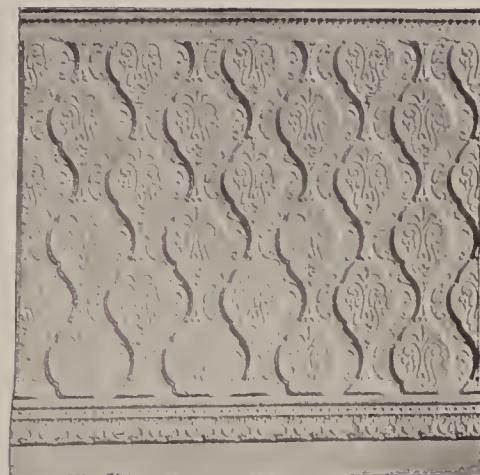
Chair Mould. Dado. Mould. Wainscoting Plates. Wood or Metal Base



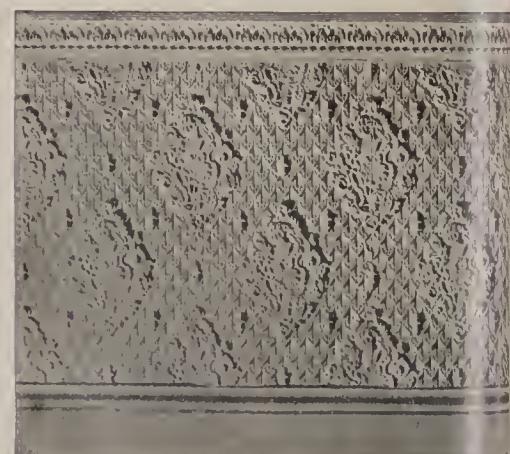
Chair Mould. Dado. Mould. Wainscoting Plates. Wood or Metal Base



Chair Mould. Dado. Mould. Wainscoting Plates. Wood or Metal Base



Wainscoting. Combination



815

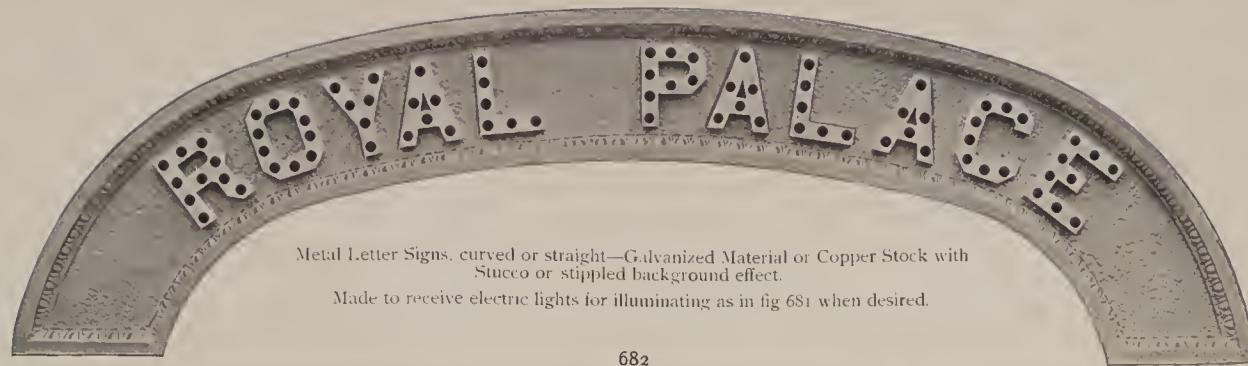


Two sections of Side Wall for High Walls in Churches or Halls. Each section 4 feet long.

819



Two sections of Side Wall for High Walls in Churches or Halls. Each section 4 feet long.



Metal Letter Signs, curved or straight—Galvanized Material or Copper Stock with
Stucco or stippled background effect.

Made to receive electric lights for illuminating as in fig 681 when desired.

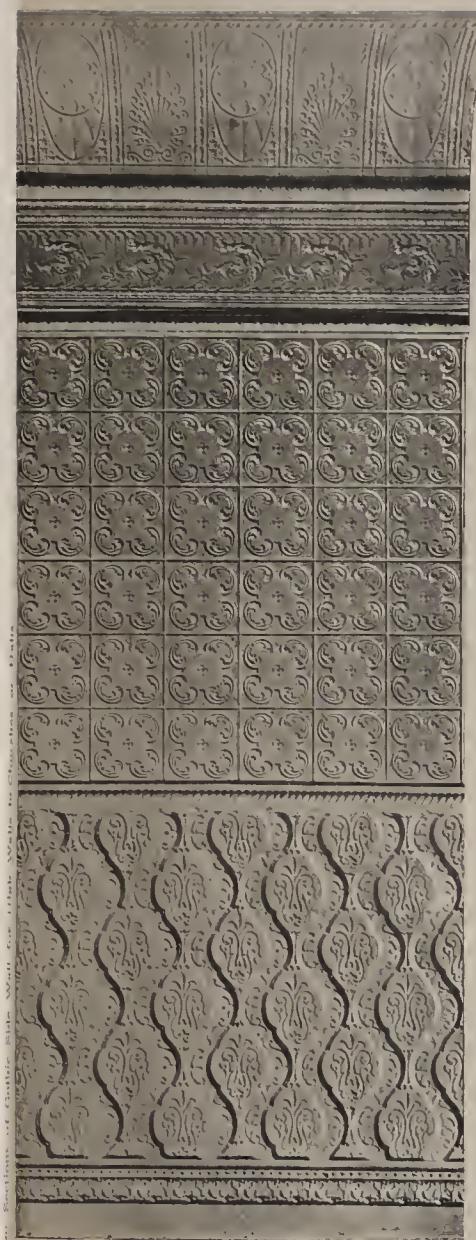
682



Gothic Side Wall and Wainscoting

735

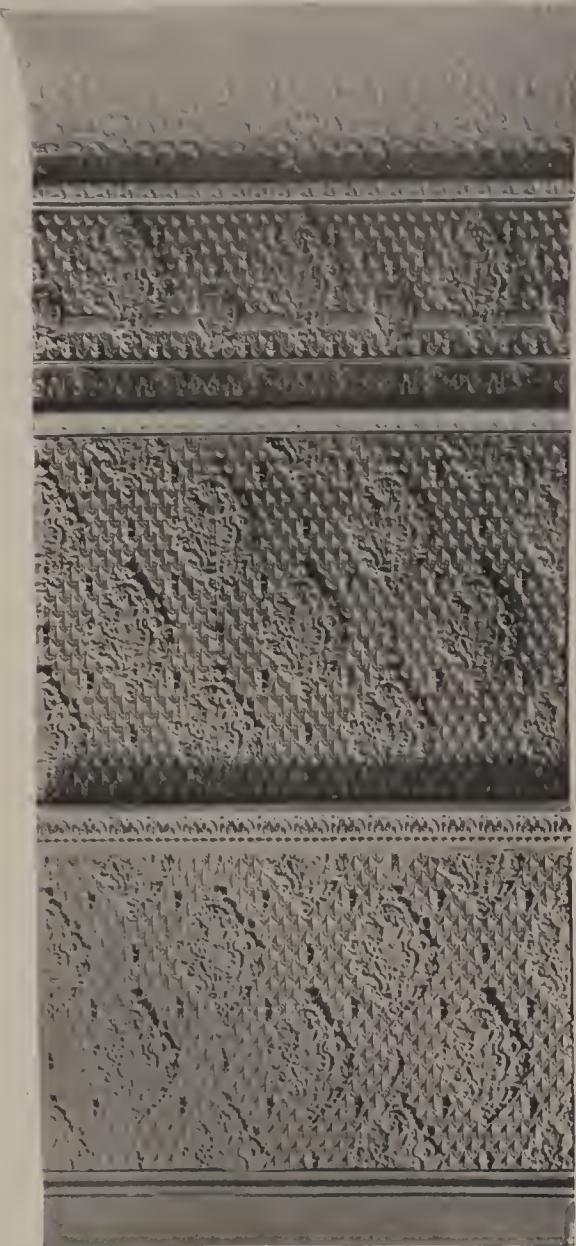




Side Wall Design.



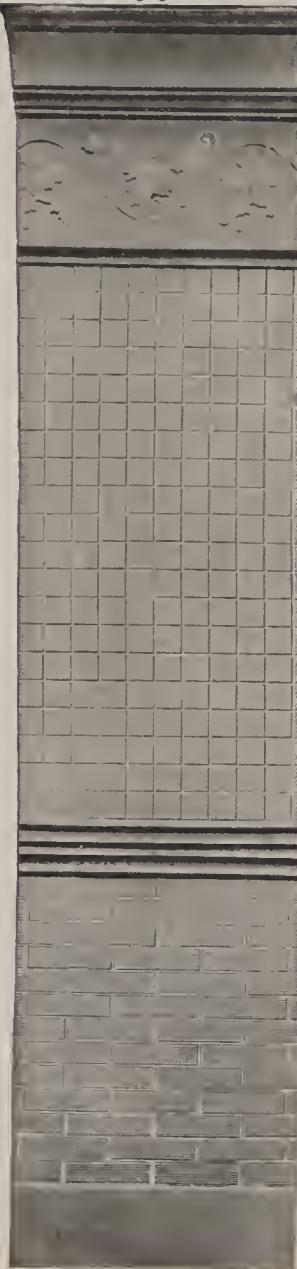
Side Wall Design



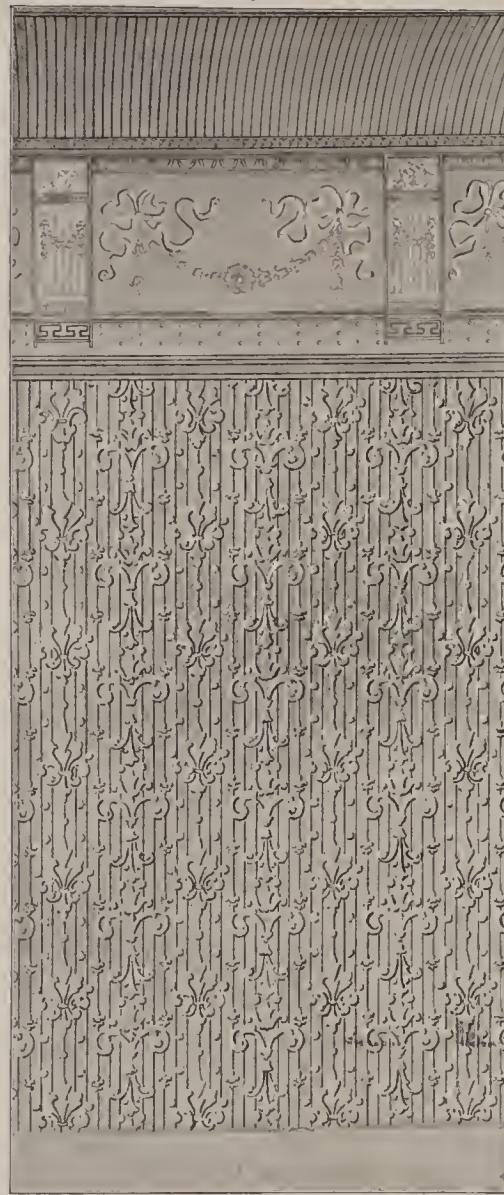
Side Wall Design

Base. Wainscoting. Mould. Field. Mould. Frieze. Mould. Frieze. Mould. C. we.

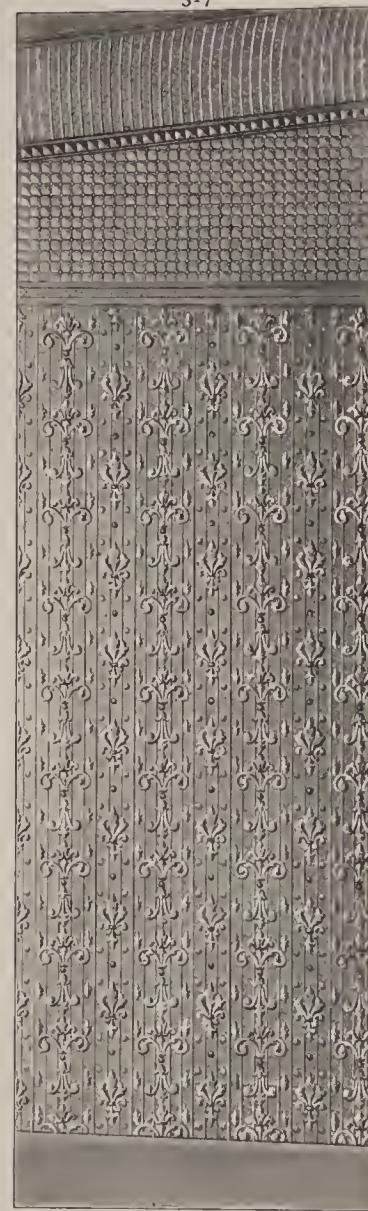
323



316



317

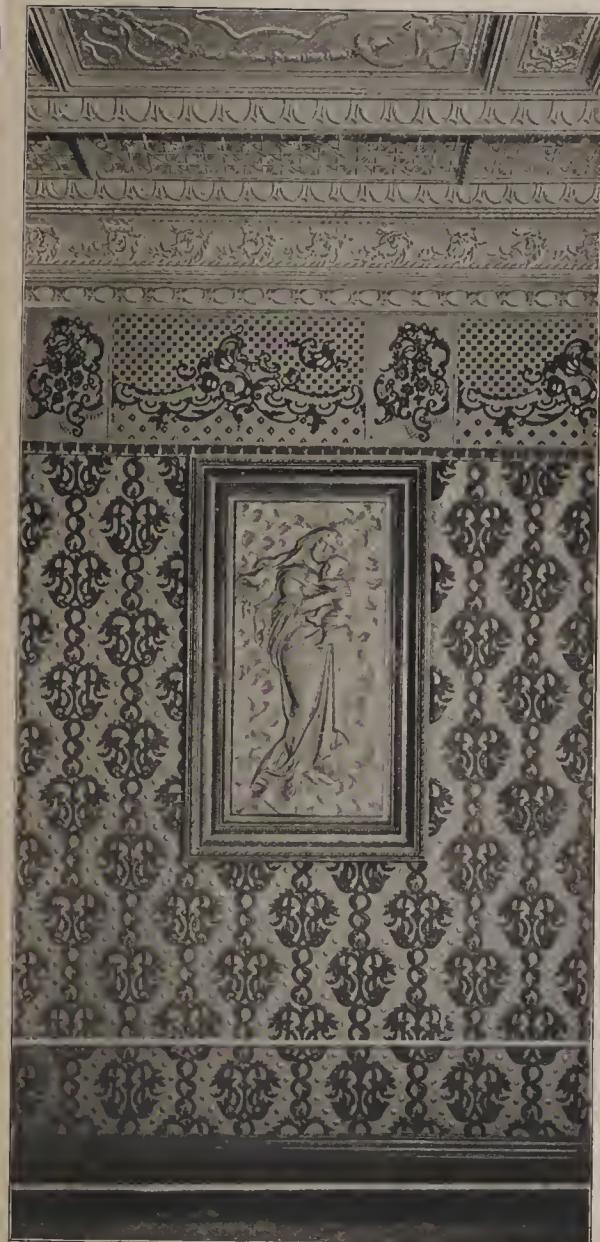


319

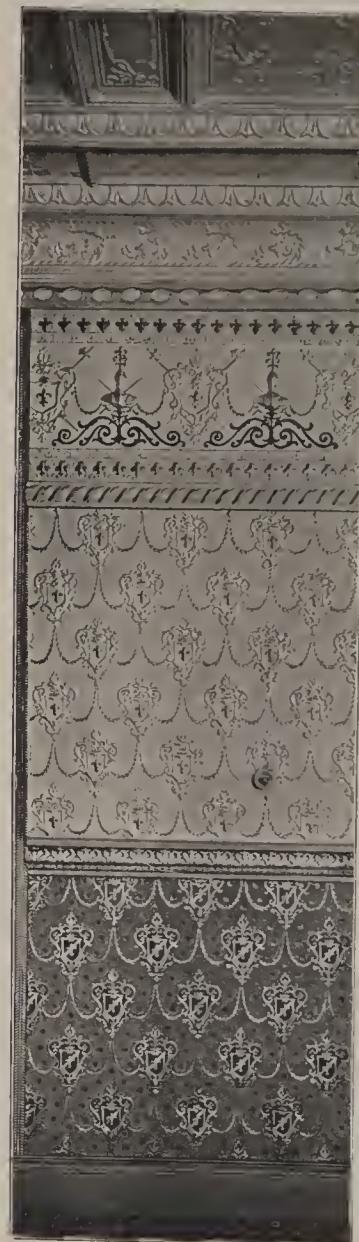


Side Wall Designs from Bottom of Cove to Base

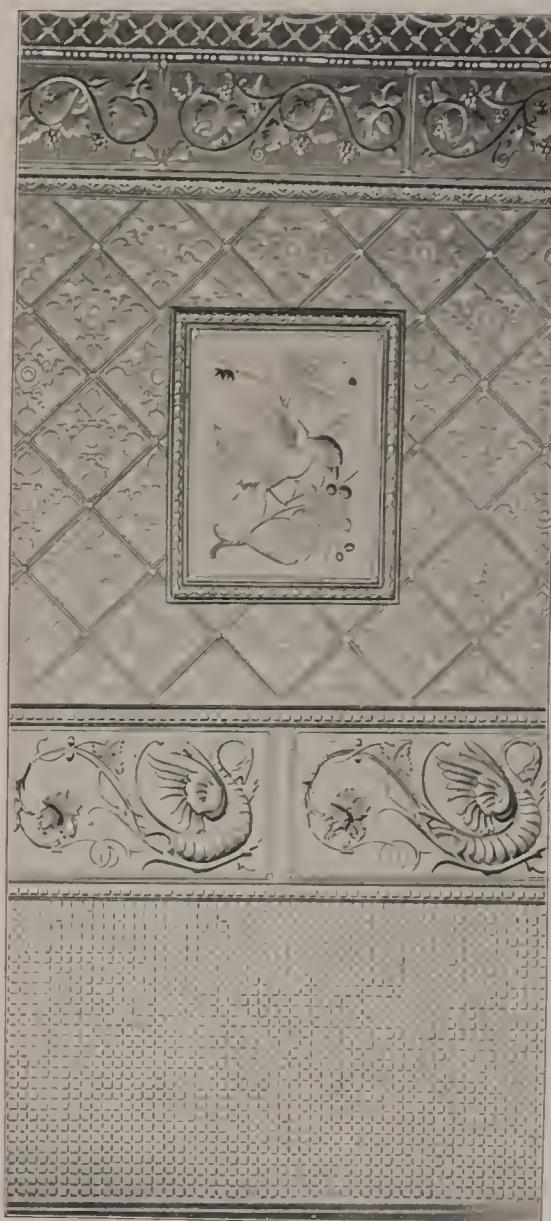
328



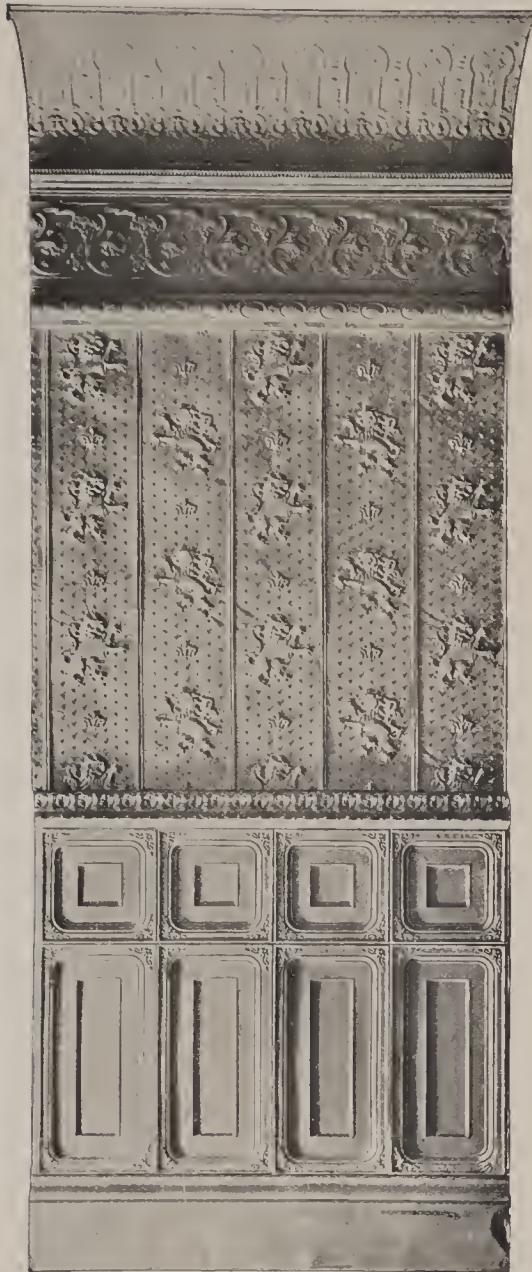
329



331



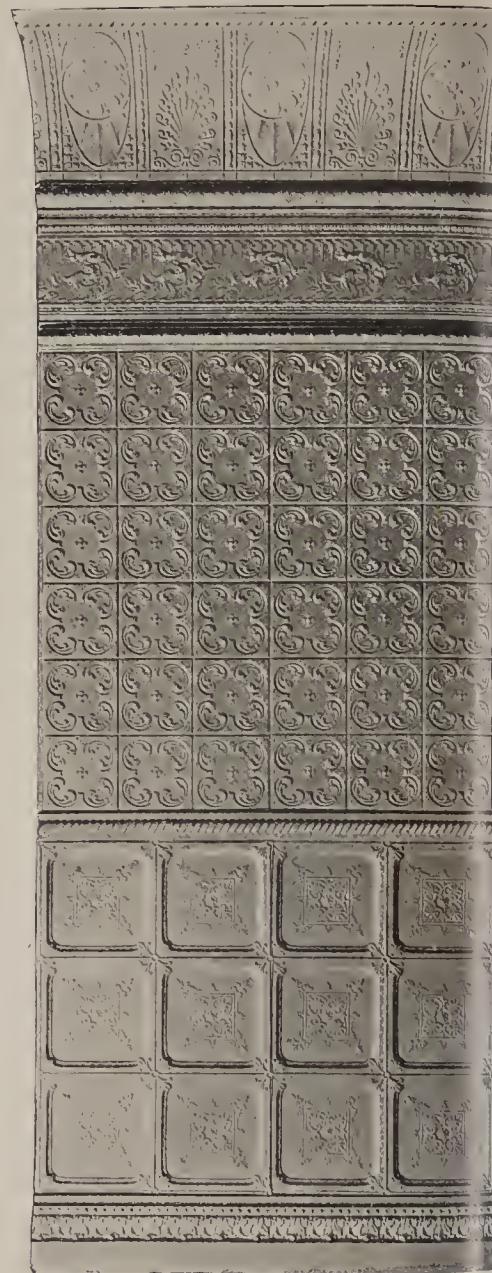
491



492



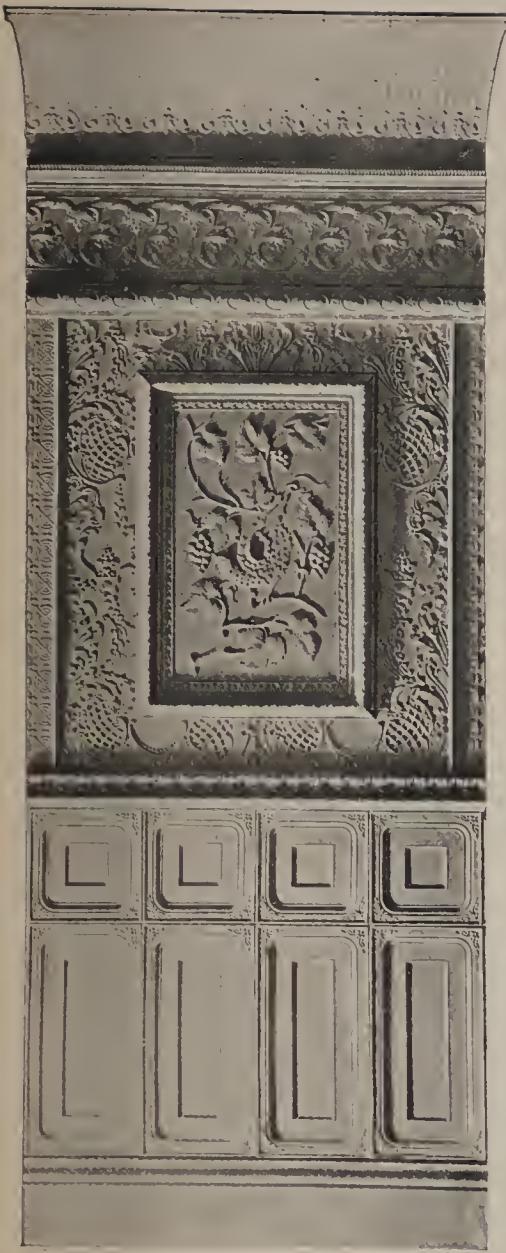
493



Special Vestibule finish with Panel.

VESTIBULE SIDE WALL AND PANEL FINISH

488

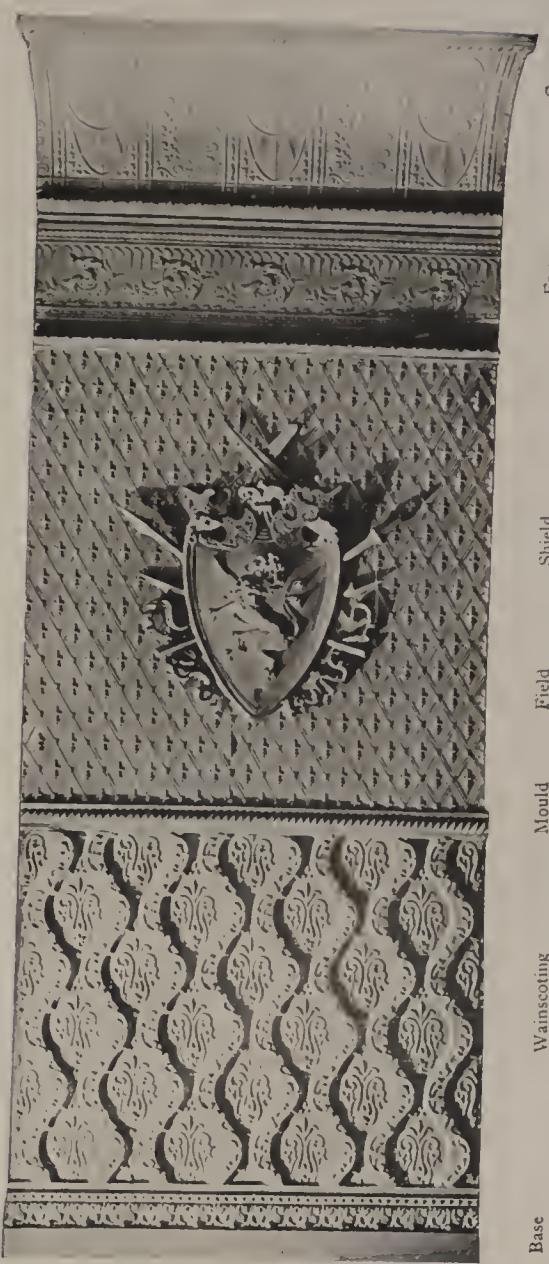


489



Bas Relief Plates extra.
83

490



Cove

Frieze

Mould

Field

Wainscoting

Base

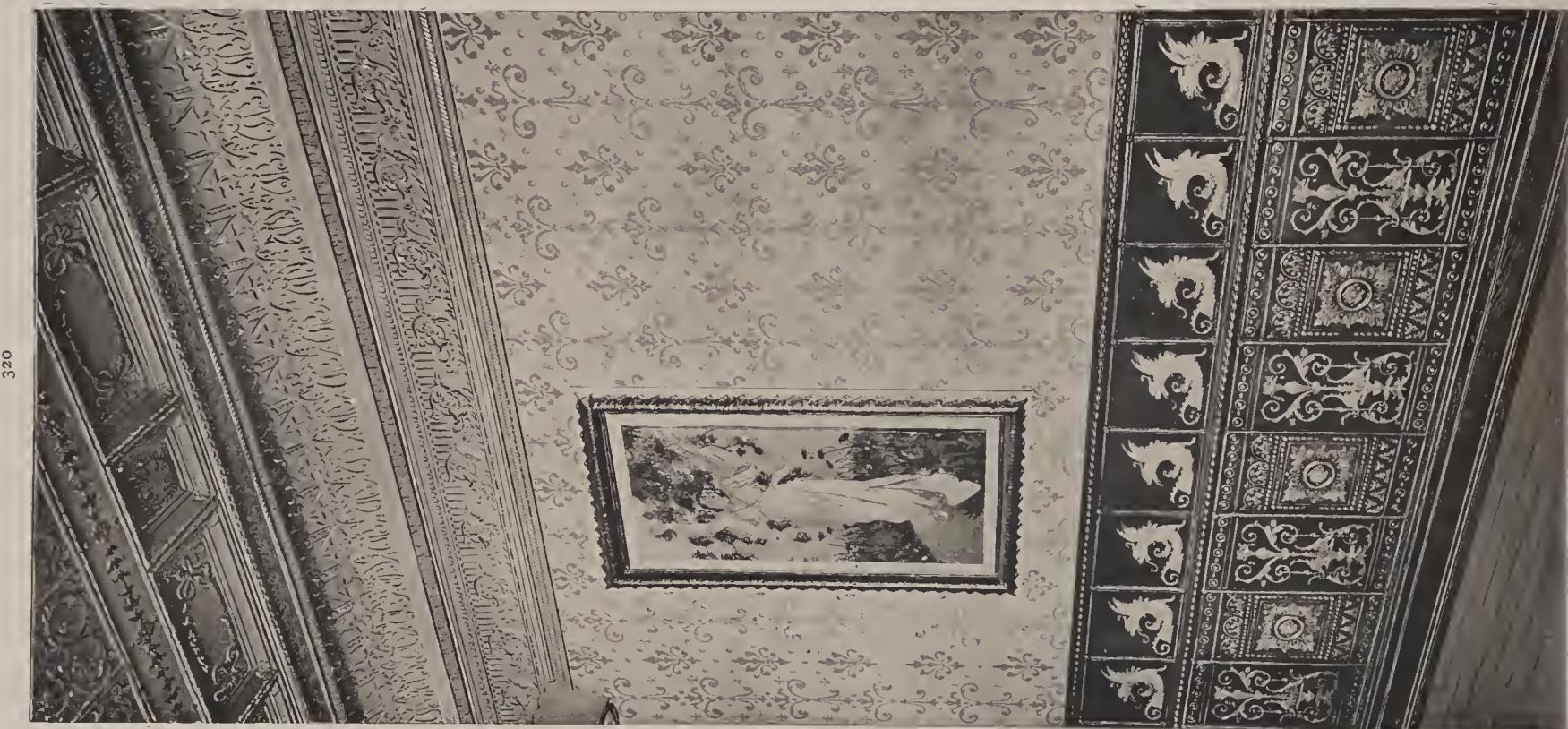


THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

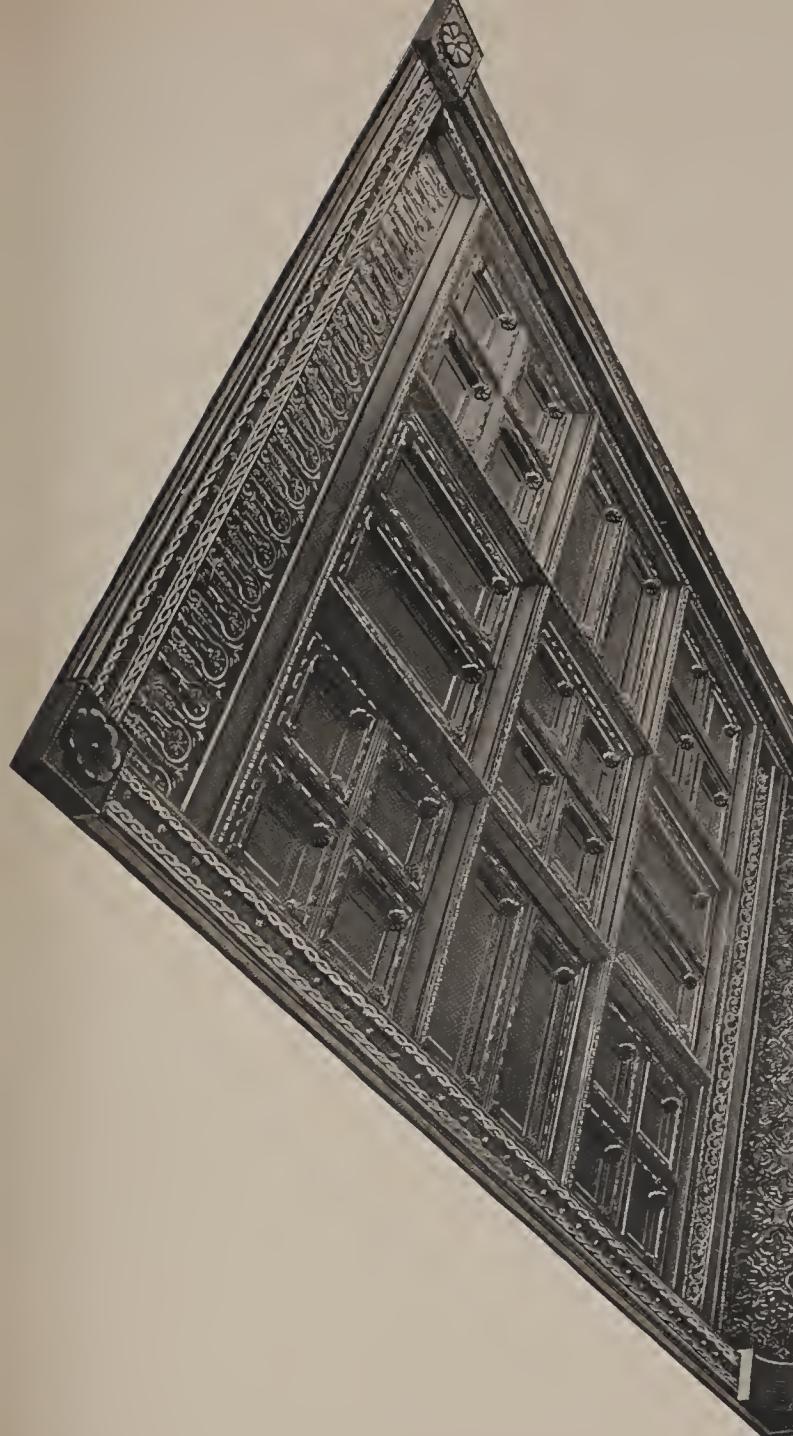
327



Side Wall, including Cove.



SIDE WALL AND WAINSCOTING FINISH

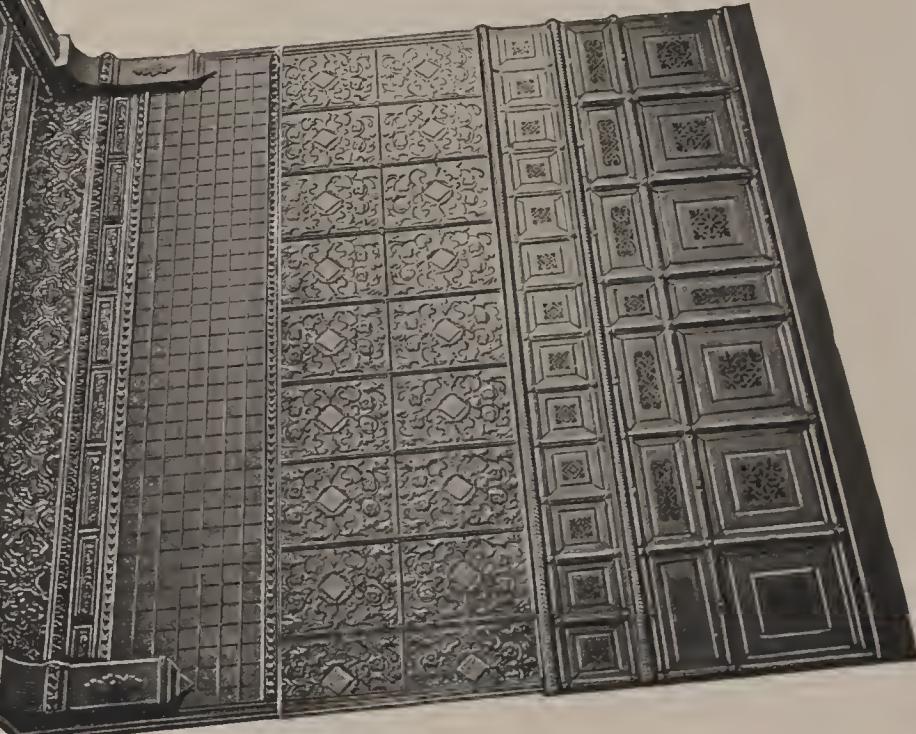


**OUR EXTRA $2\frac{1}{2}$ INCH DEEP PANEL
PLATES, Page 19 and 20**

Reinforced with 6 inch Beam Moulds,

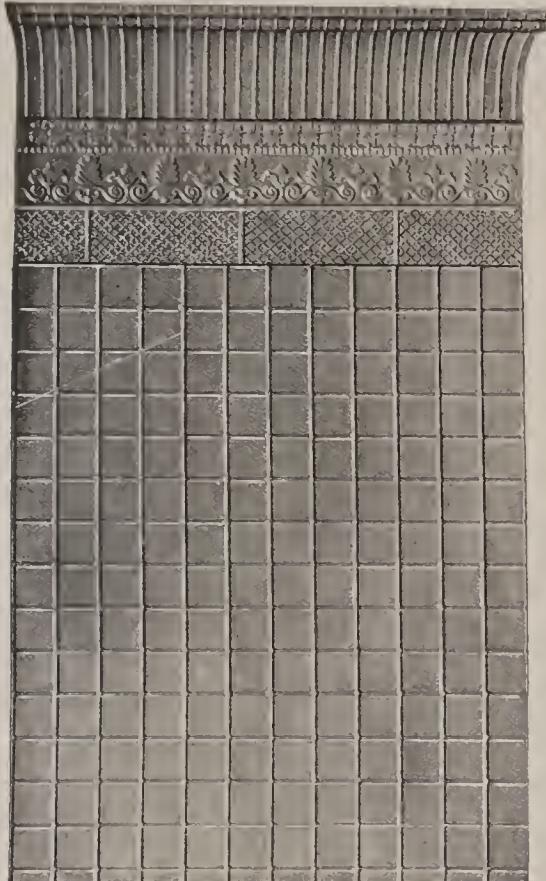
In Clusters of Four Small or Two Large Plates, Surrounded with Special $3\frac{1}{4}$ inch deep, 6 inch wide Mold. Corners Intersected with Zinc Blocks, Fig. 108, or Mitered Corners when Desired, Fig. 724. Side Wall Design Fig. 821.

Side
Wall
Fig.
821



Continuous Steel Ceiling Designs

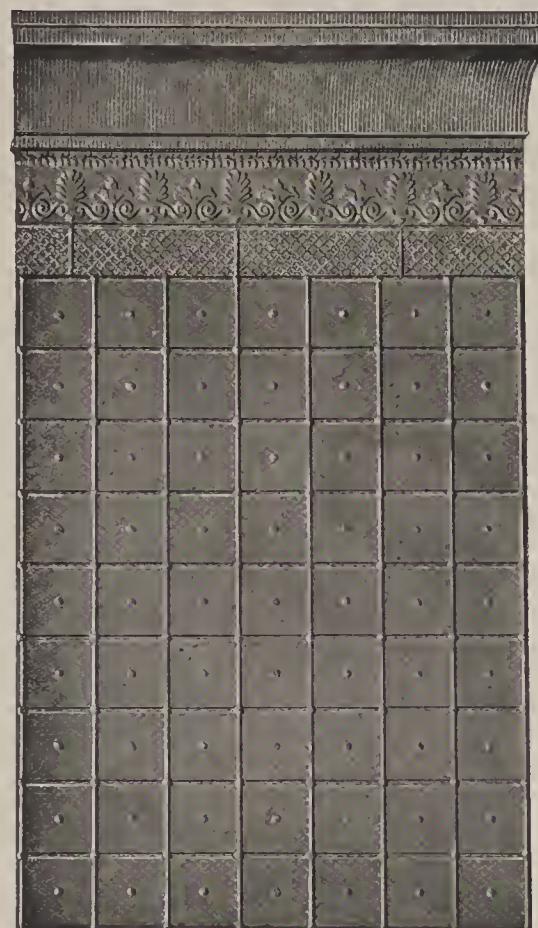
338



Italian, 2½ inch squares. (Field Sheets), 25½x98 inches long.
Styling, Roman Net and Mould. Cove, Imperial, 10 or 15 inch girth.

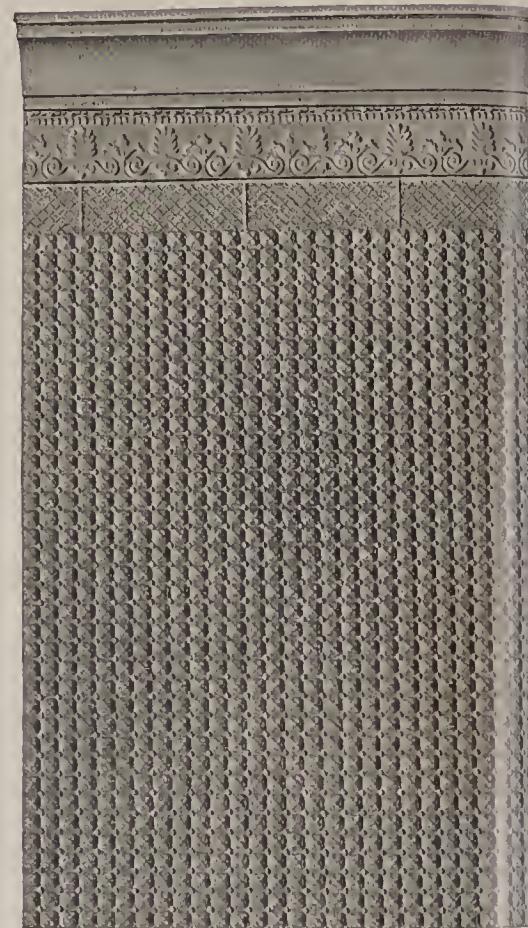
Styling, Coves and Cornice shown in illustrations subject to changes if desired, or can be omitted entirely to reduce cost, using small mould to finish to wall line.

339



Italian, 4 inch squares. (Field Sheets), 27 1/4x97 inches long.
Styling, Roman Net and Mould. Cornice Reeded, 10 inch girth.

340

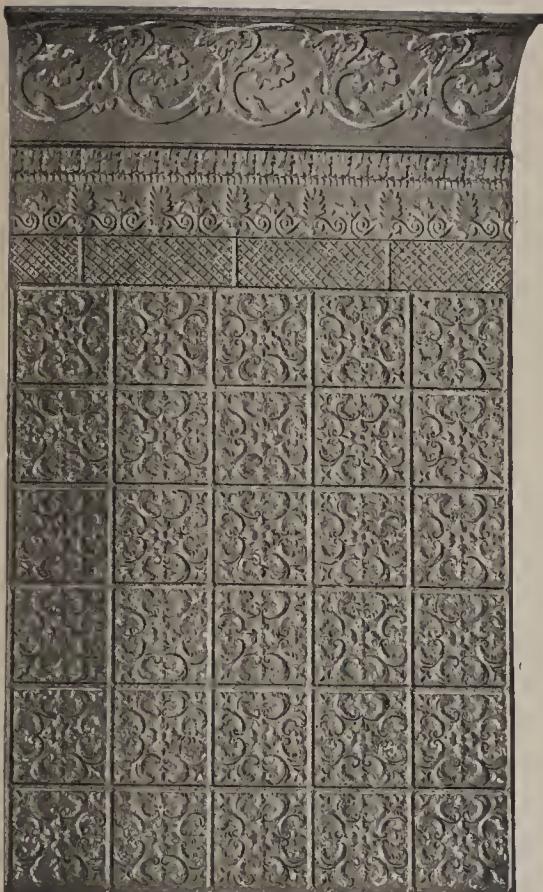


Moorish Quilted. (Field Sheets), 28x96 inches long.
Styling, Roman and Net Mould. Cornice Reeded, 8 inch girth.

Continuous Steel Ceiling Designs

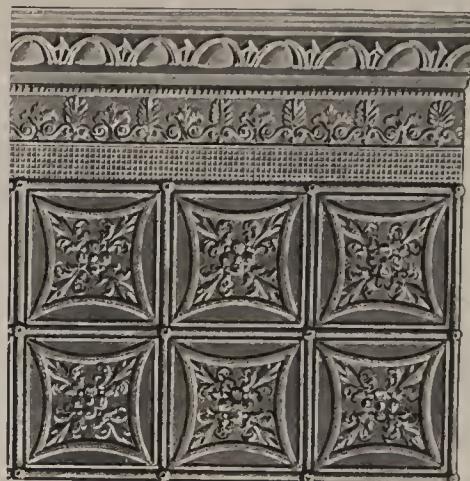
Without Bottom Mould, or Panel Strip between Filler and Plate.

341



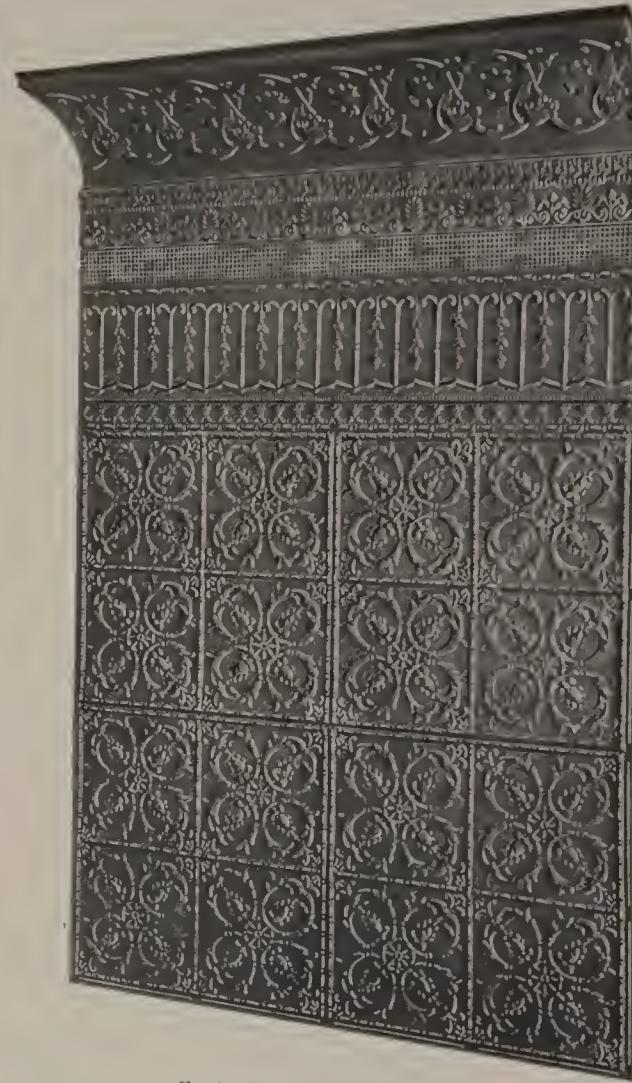
Italian Renaissance Fret, (No. 2), 6 inch squares. Field Sheets, 24x96 inches long. Roman Net and Mould, Styling German Renaissance Cove, 11 in. girth.

344



Colonial Diaper, 3-inch Cove and Filler.
Field 27x117 inches

346

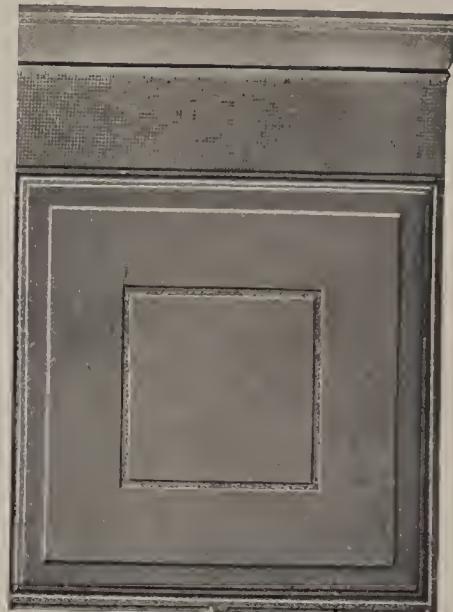


Cove.

Styling.

Border.

Field Plates

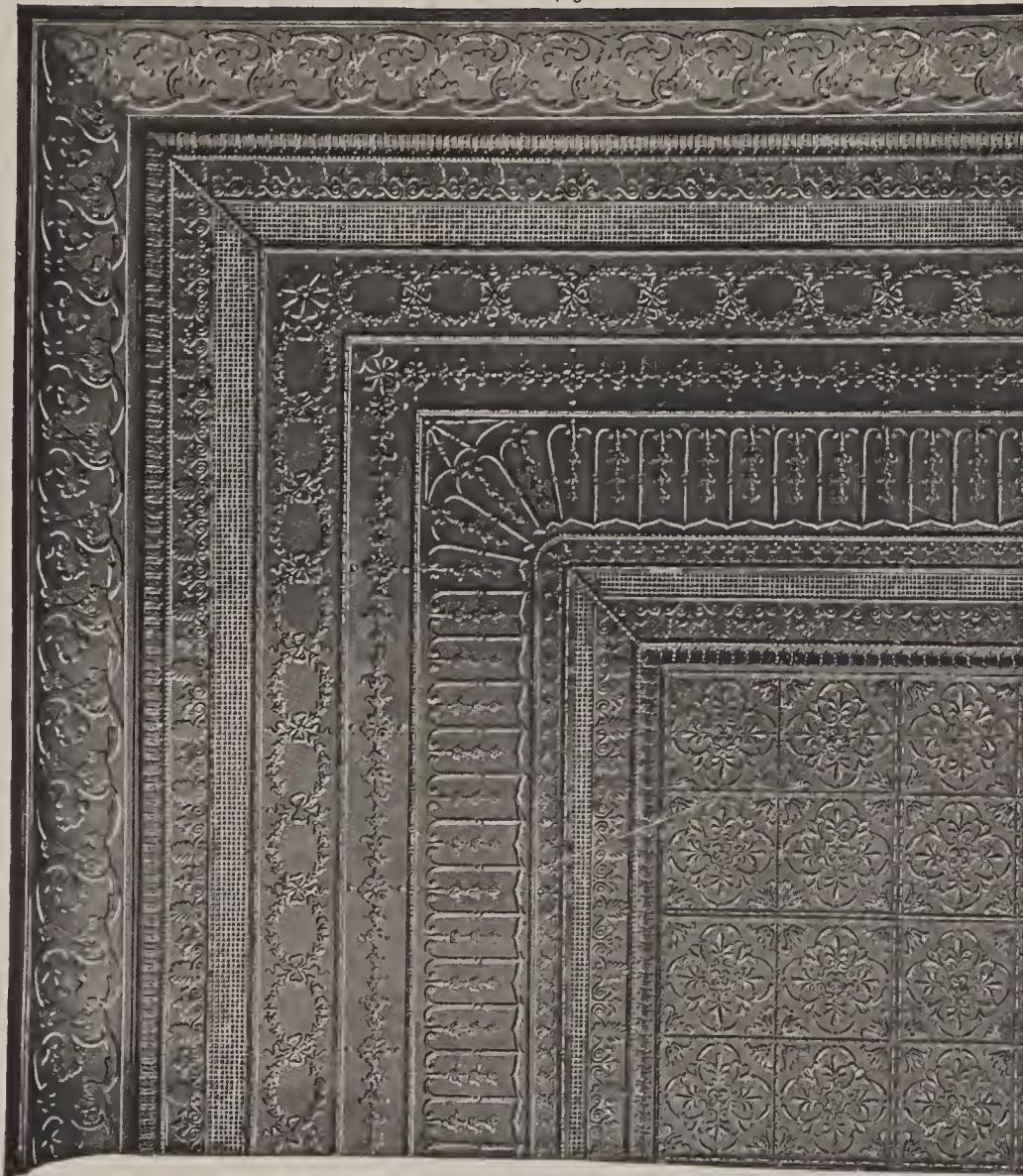


Shows Imperial Panel, 24x96 Filler and 3-inch Cornice.

Empire Colonial Continuous Work.
Field Plates, 24x96 inches. Cove and Filler.

Continuous Sheets and Plate Designs

465



Colonial Ceiling.

THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

Continuous Ceiling Designs

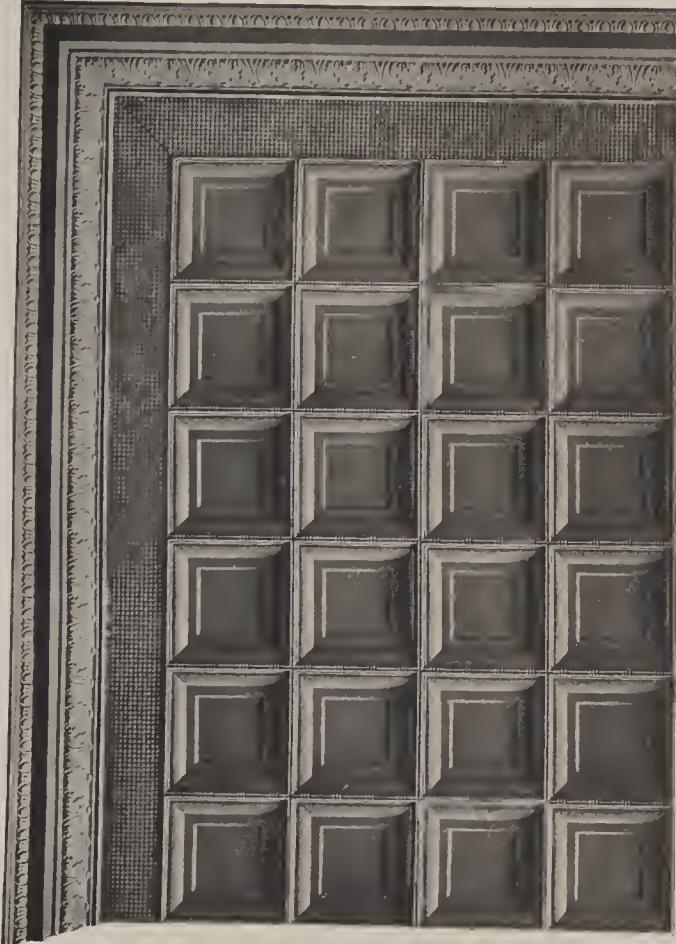
700



Section of Empire and Colonial Styles, Cove No. 234.

Continuous Ceiling Plates and Coves

347



Quarter Section of Continuous Ceiling Plates, with Cove.

678



Quarter Section of Continuous Ceiling Plates, with Cove.

Ceiling Designs with Borders

469



Ceiling, Colonial Style
Field Sheet, 24x96 inches. Blocks, 8 inches.

332



Colonial, 1-inch Deep Mould Plates. Beaded Cove and Filler.

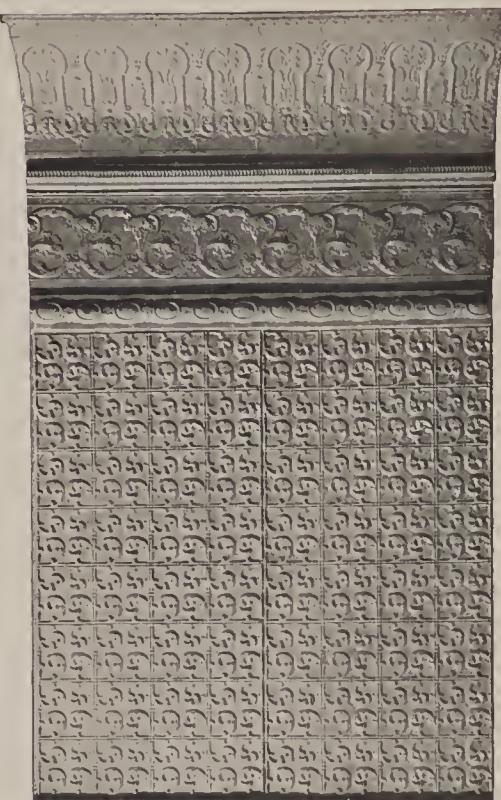
Ceiling Designs with Borders

110



Plates 24x24, 12x24, and 12x12 inches.

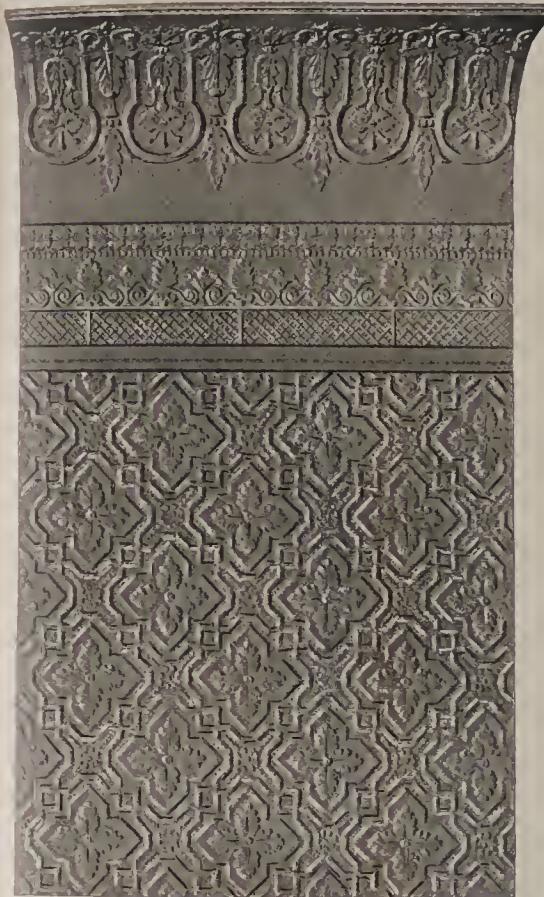
109



Field Sheets, 24x96 inches. Blocks, 6 inches.

Ceiling Designs with Borders

342



Italian Renaissance Fret, (No. 1). Field Sheets, $28\frac{1}{2} \times 96$ inches long. Styling, Roman Net and Mould. Renaissance Cove, $17\frac{1}{4}$ inch girth.

Styling Border and Coves shown can be changed or omitted as desired.

474



Medium Continuous Ceiling Plates, $\frac{5}{8}$ inch deep. Plates 24×24 or 24×96 .

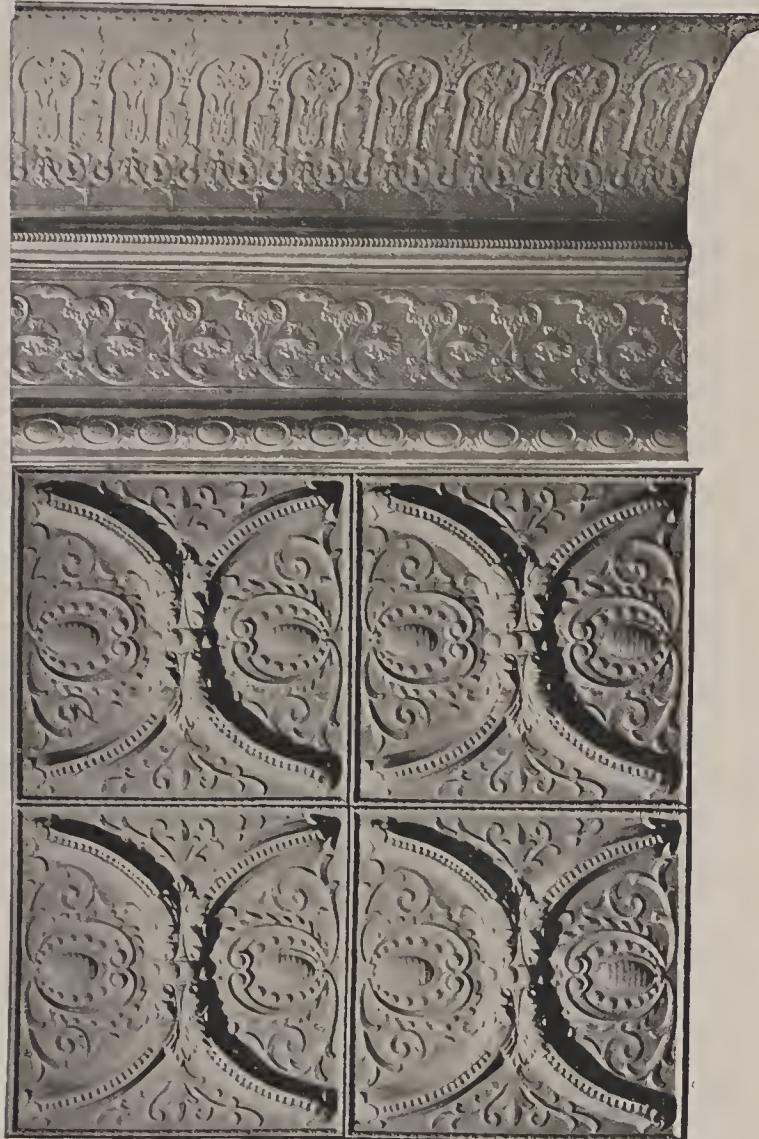
482



Combination Ceiling Plates and Cove.

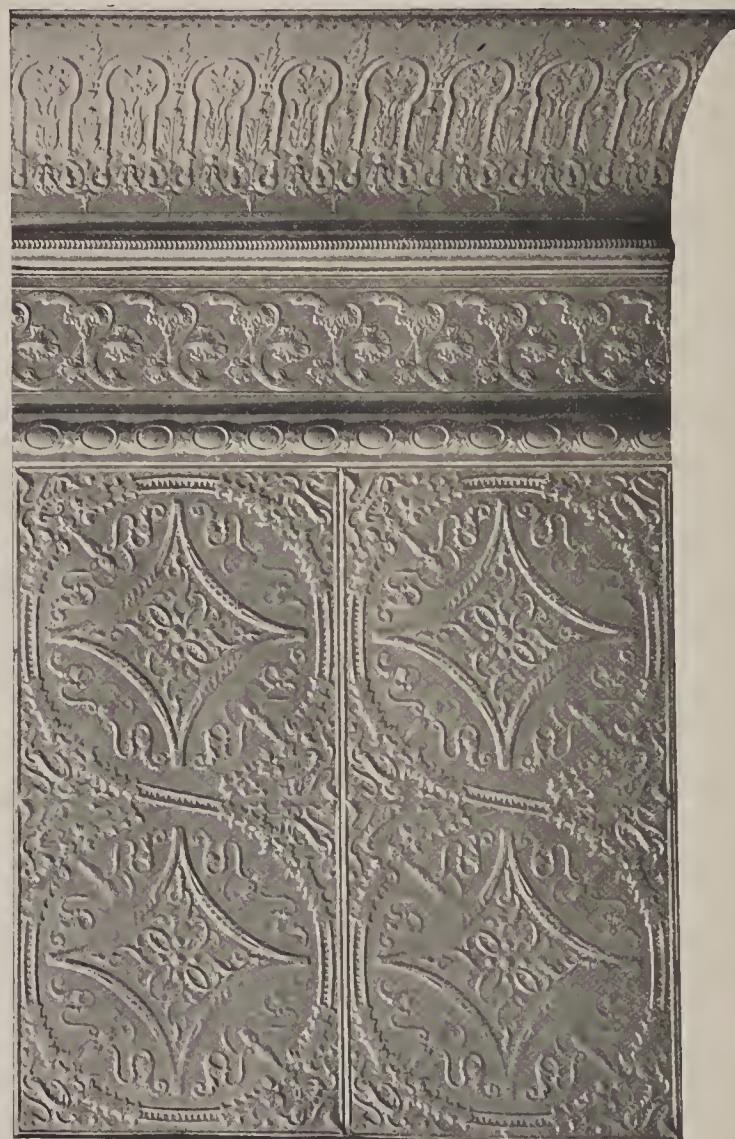
Ceiling Designs with Borders

481



1½ inch Deep Stamped Plates (Special for Church Work, Gothic) and Cove.

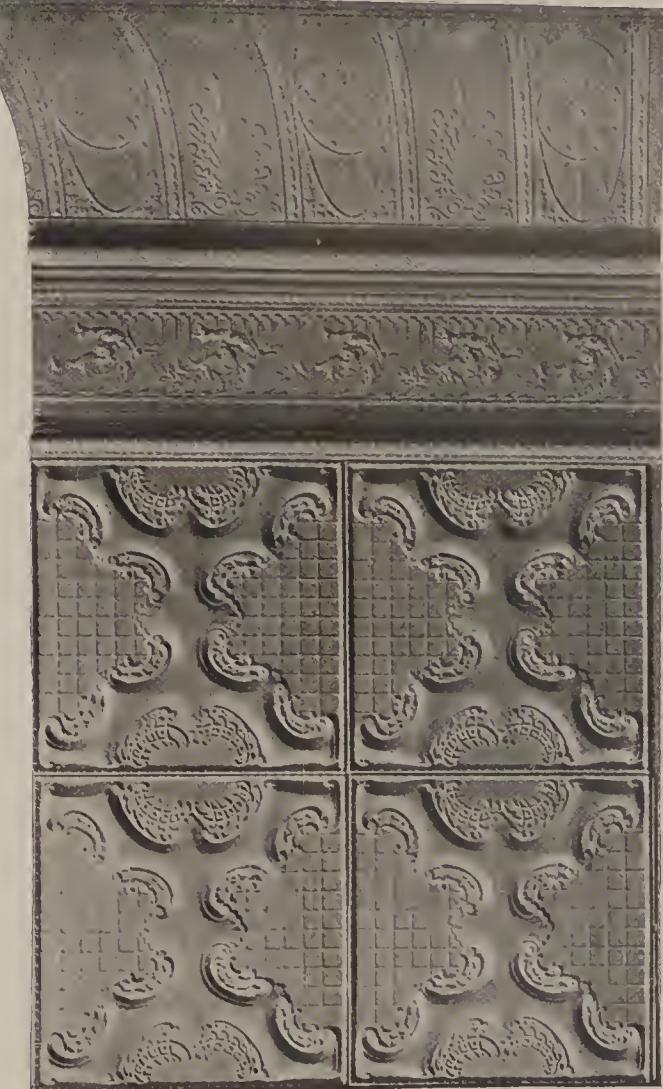
478



7/8 inch Deep Bead Plates and Cove

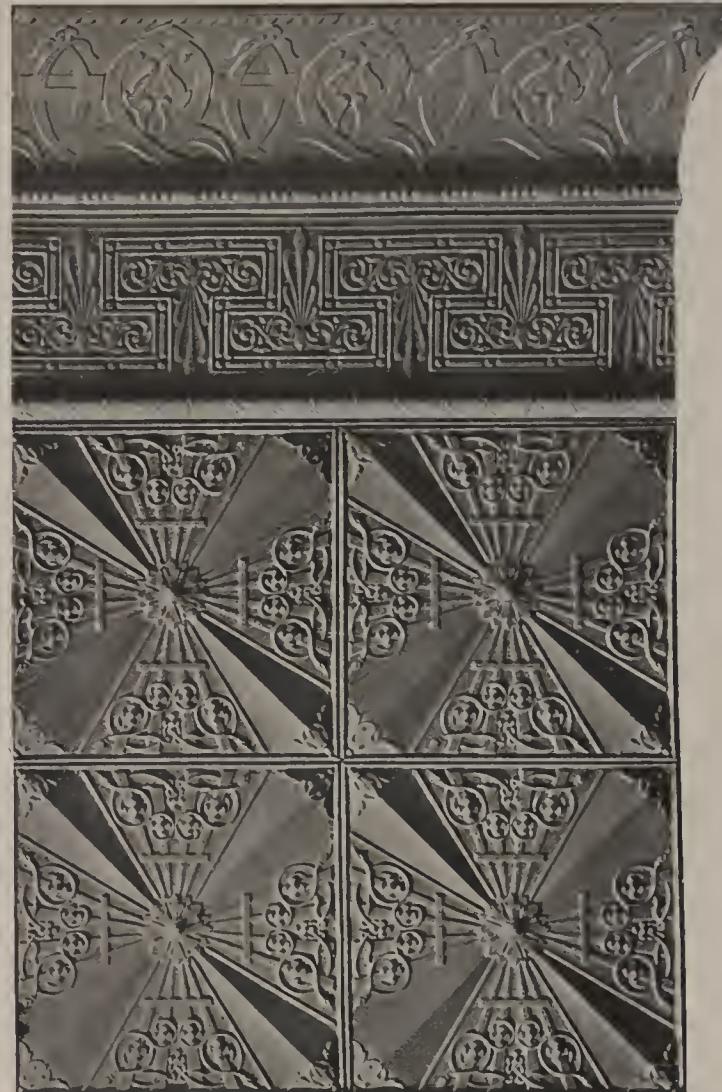
Ceiling Designs with Borders

476



$\frac{7}{8}$ inch Deep Mould Plates and Cove. Plates 24x24 inches.

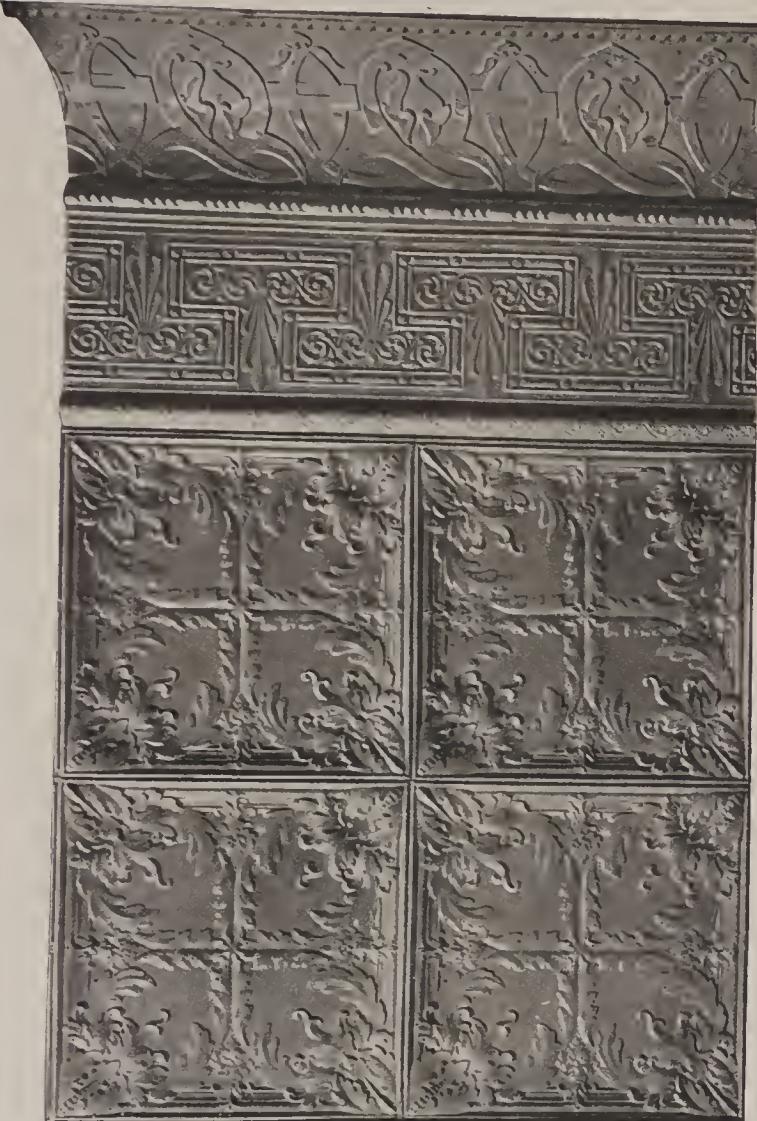
480



$\frac{3}{8}$ inch Deep Bead Mould Plates and Cove.

Ceiling Designs with Borders

477



$\frac{3}{8}$ inch Deep Mould Plates and Cove.

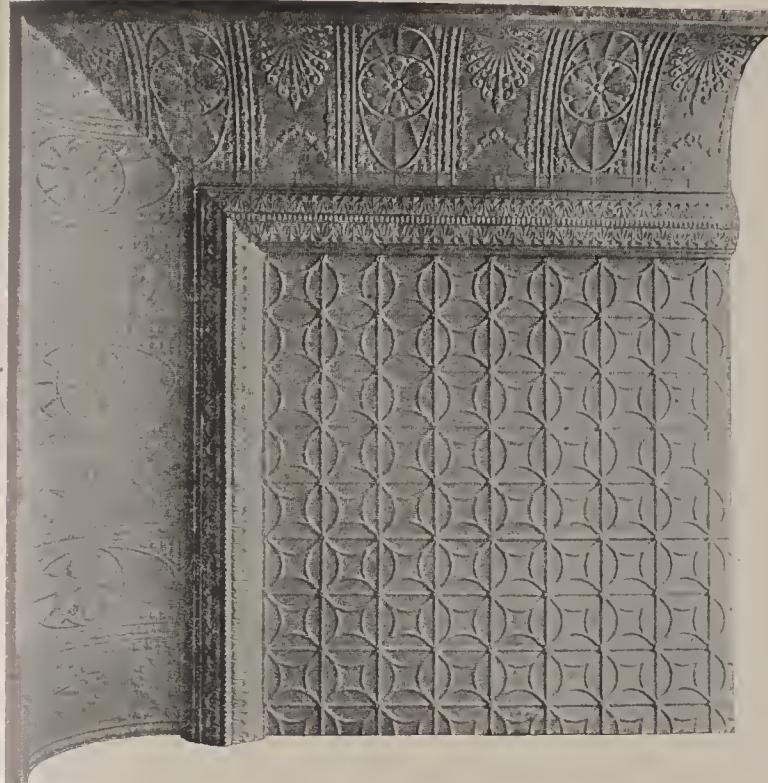
479



$\frac{3}{8}$ inch Deep Bead Mould Plates and Cove.

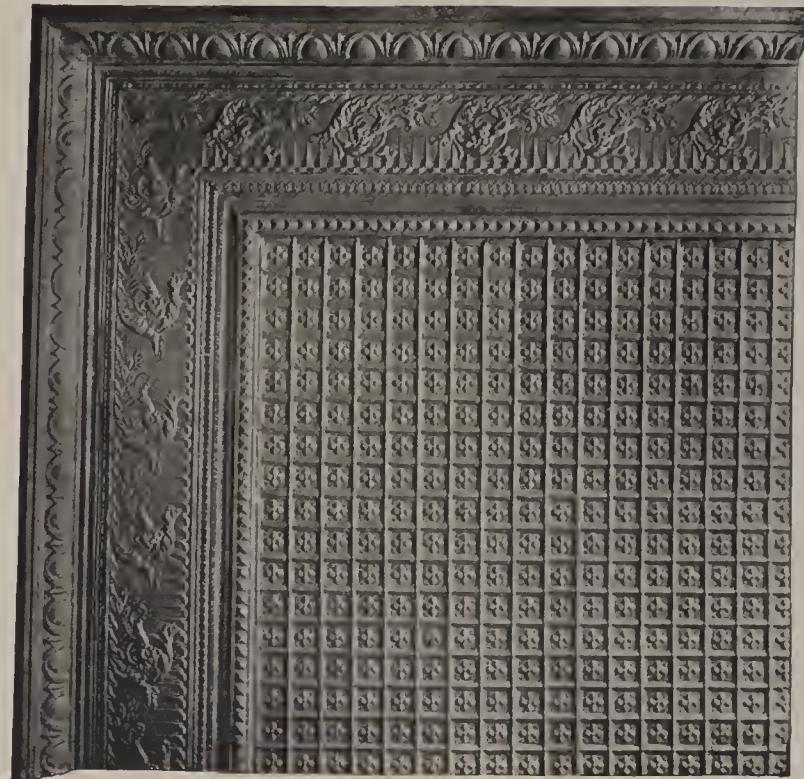
Continuous Ceilings

598



Field Plates, Fig. 600. Moulding, Fig. 214. Cove, Fig. 169.

599

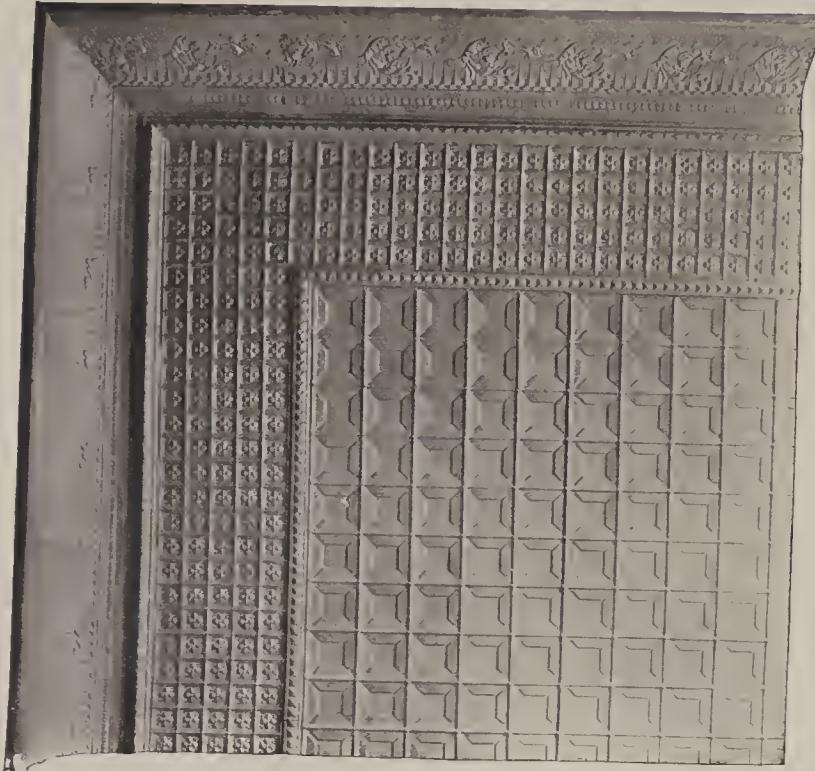


Field Plates, Fig. 116. Moulding, Fig. 172. Border, Fig. 143. Cove, Fig. 219.

Figs. 598 and 599 show a large and small Cove. We can substitute any size desired from 20-inch to 2 $\frac{1}{4}$ -inch drop.

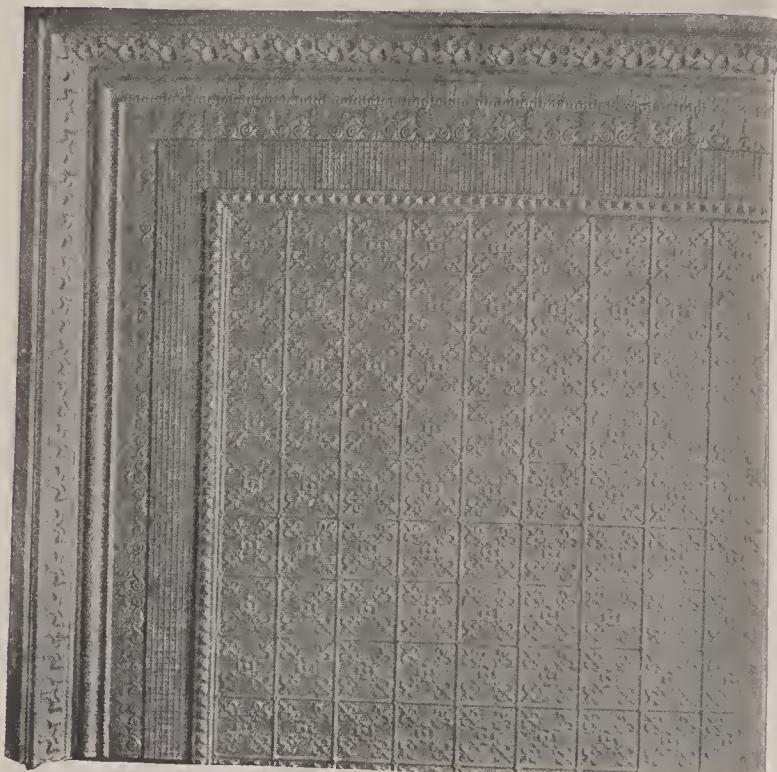
Continuous Ceilings

594



Field Plates, Fig. 506. Moulding, Fig. 172. Border, Fig. 116.
Moulding, Fig. 186. Cove, Fig. 248.

595

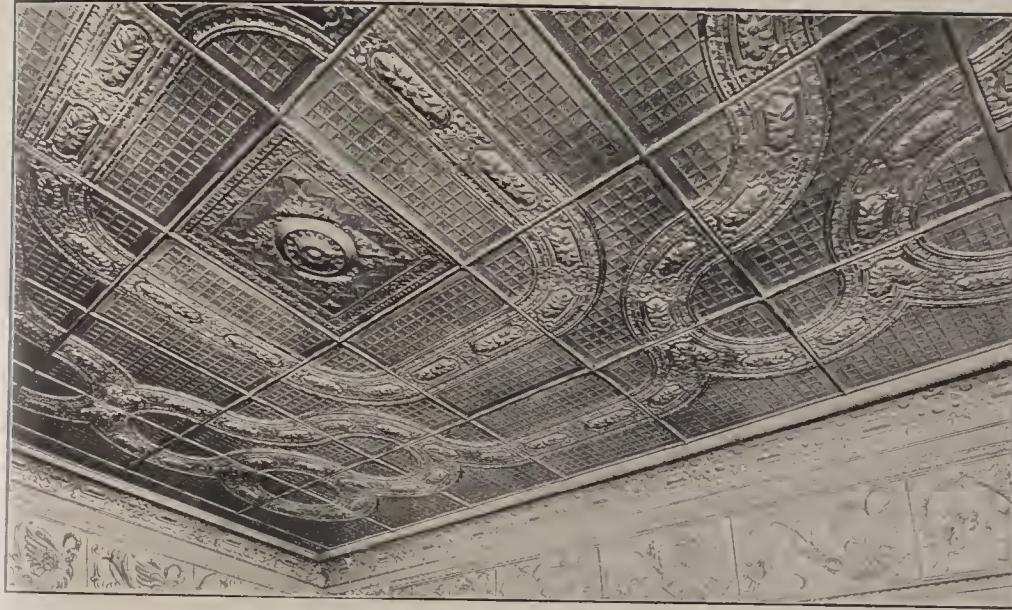


Field Plates, Fig. 597. Moulding, Fig. 172. Styling
Fig. 56. Cove Fig. 223.

Figs. 594 and 595 show a large and small Cove. We can substitute any size desired from $2\frac{1}{4}$ -inch to 20-inch drop.

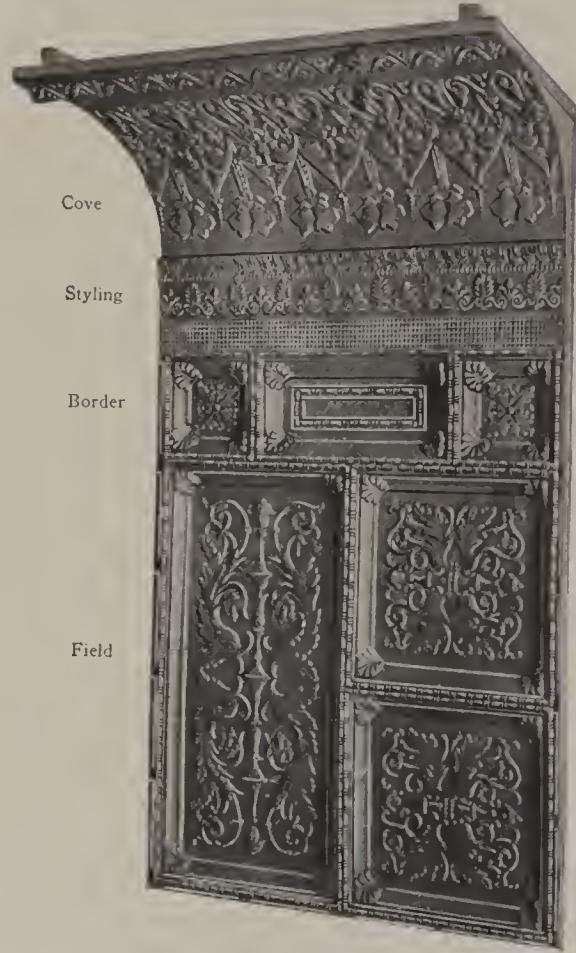
Section of Field Plates and Coves

264



Combination of Plates, Figs. 501 to 504.

259



Cove

Styling

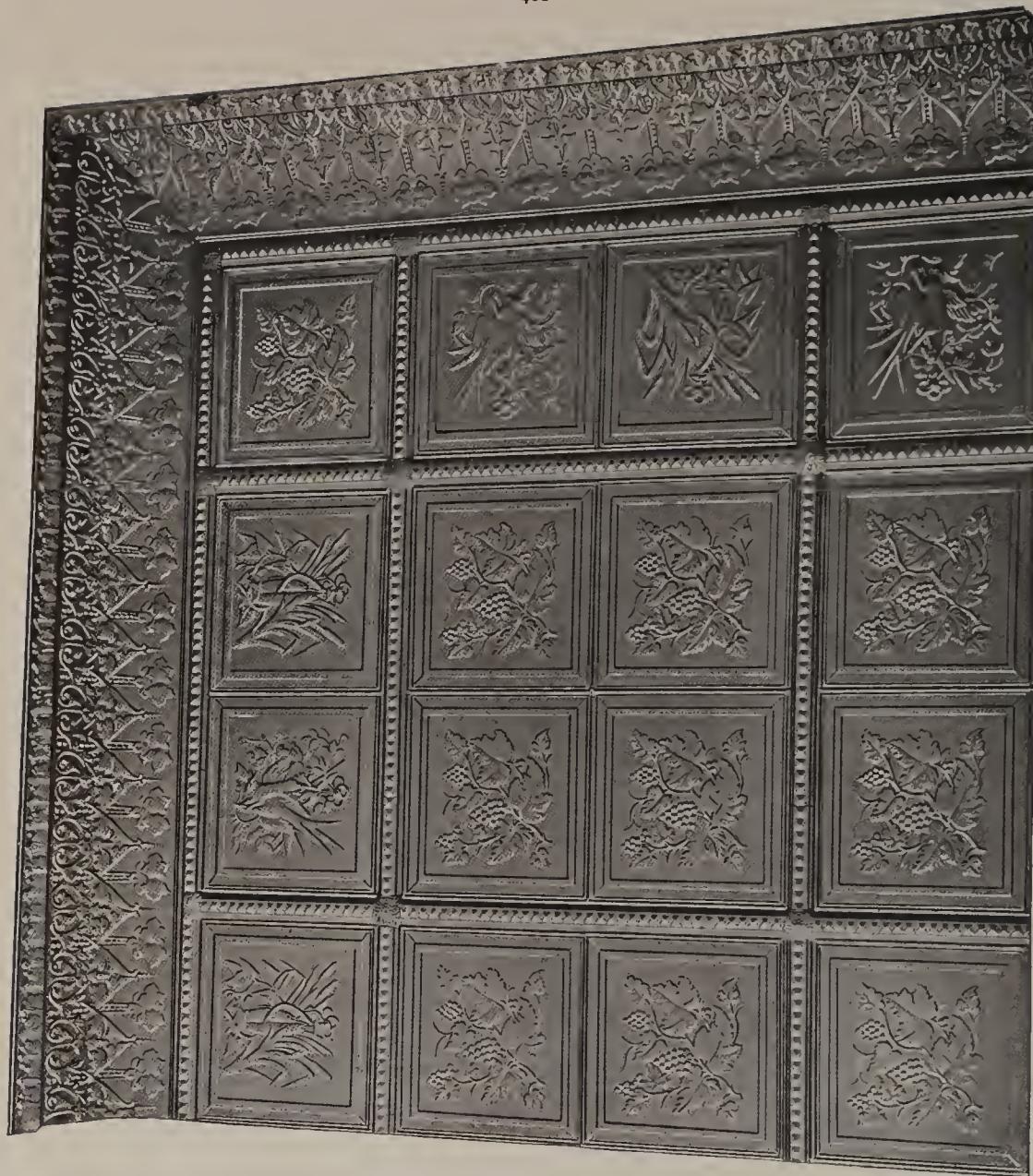
Border

Field

RENAISSANCE.
Section 1 $\frac{1}{4}$ inches Deep Mould Plates.



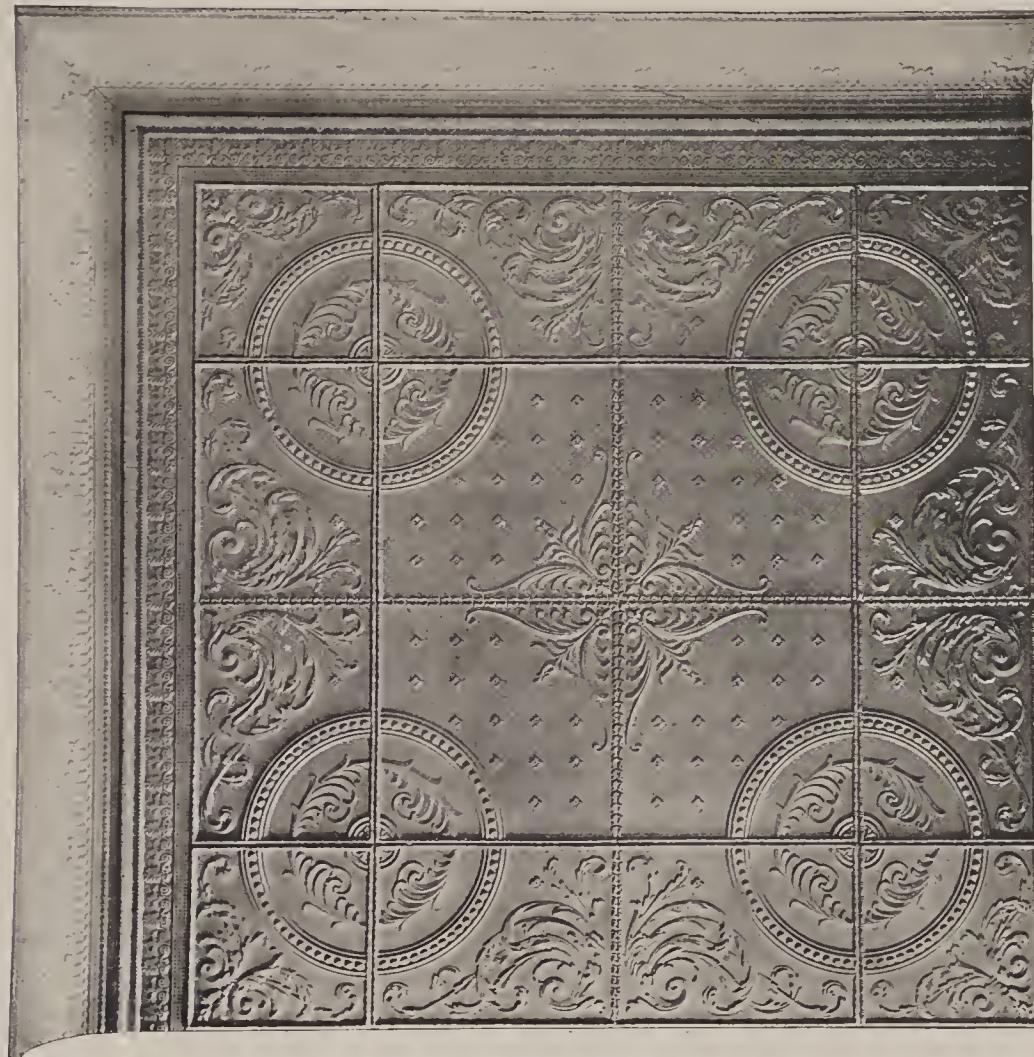
Suggestion for entrance of an Amusement Parlor made entirely of our Sheet Steel Products



Dining Room Ceiling, divided with light or heavy Beam Moulds and Drop Blocks. Game and Fruit Plates, with any style cove desired. Medium or deep drop on side wall.

Italian Renaissance Ceiling Design

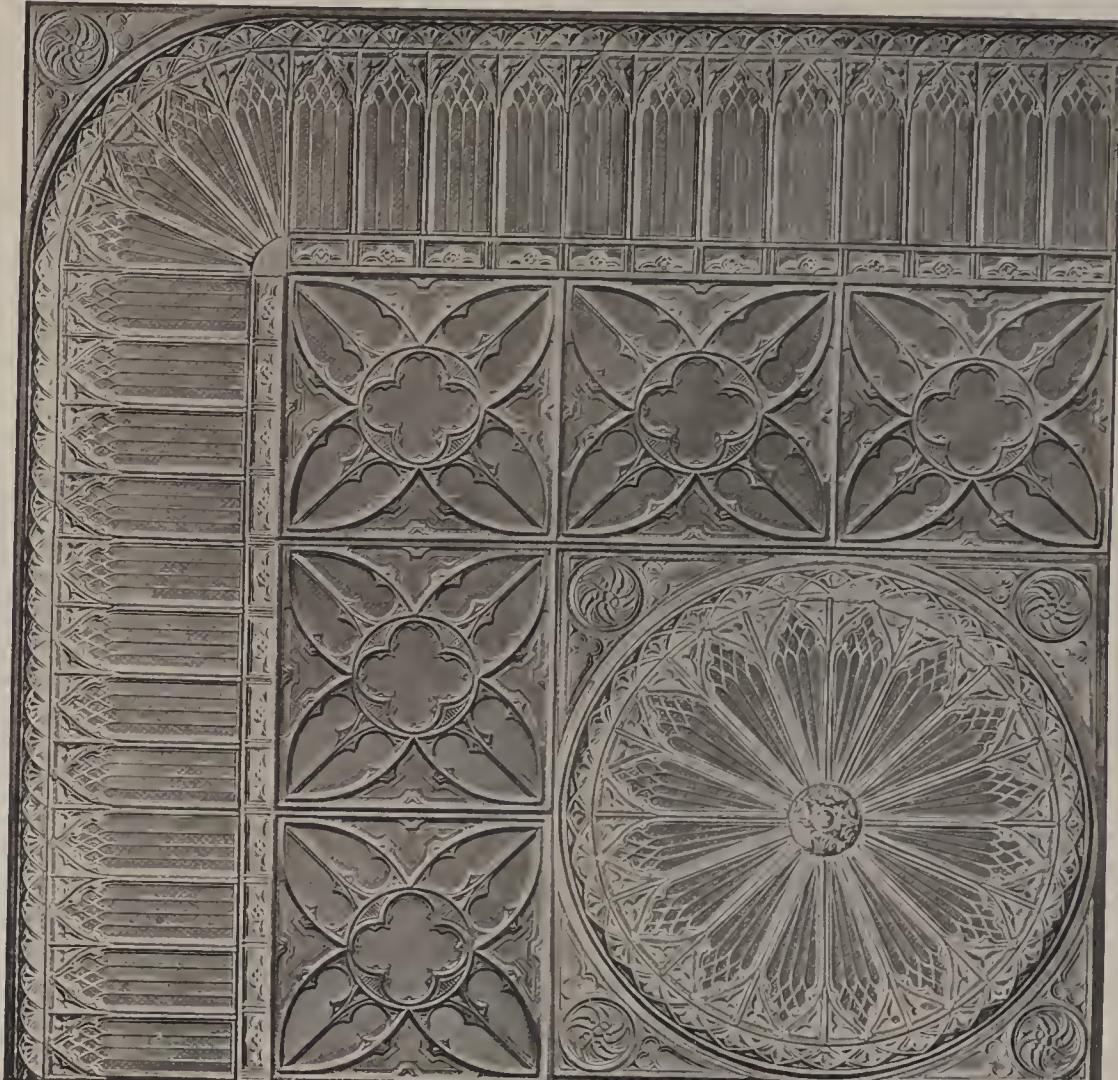
452



Continuous Border and Field Plates with Cove. See Figs. 430 to 433.
Latest Style for fine Ceilings in Residences.

Section Gothic Ceiling Design

734



Border

Field

Center

717 Gothic Cove. With Top and Bottom Mould.

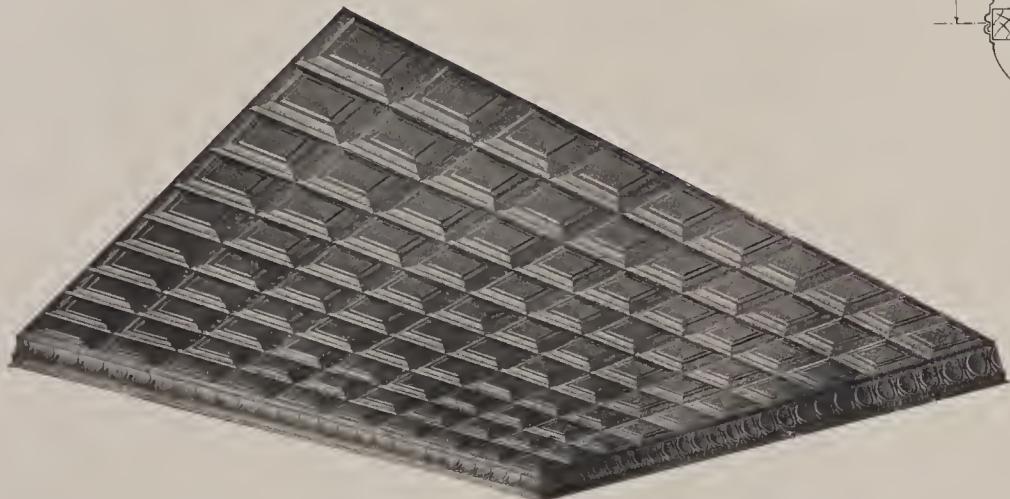


Girth, 26 inches. Projection, 12 inches. Drop on Wall, 15 inches. Length, 48 inches.

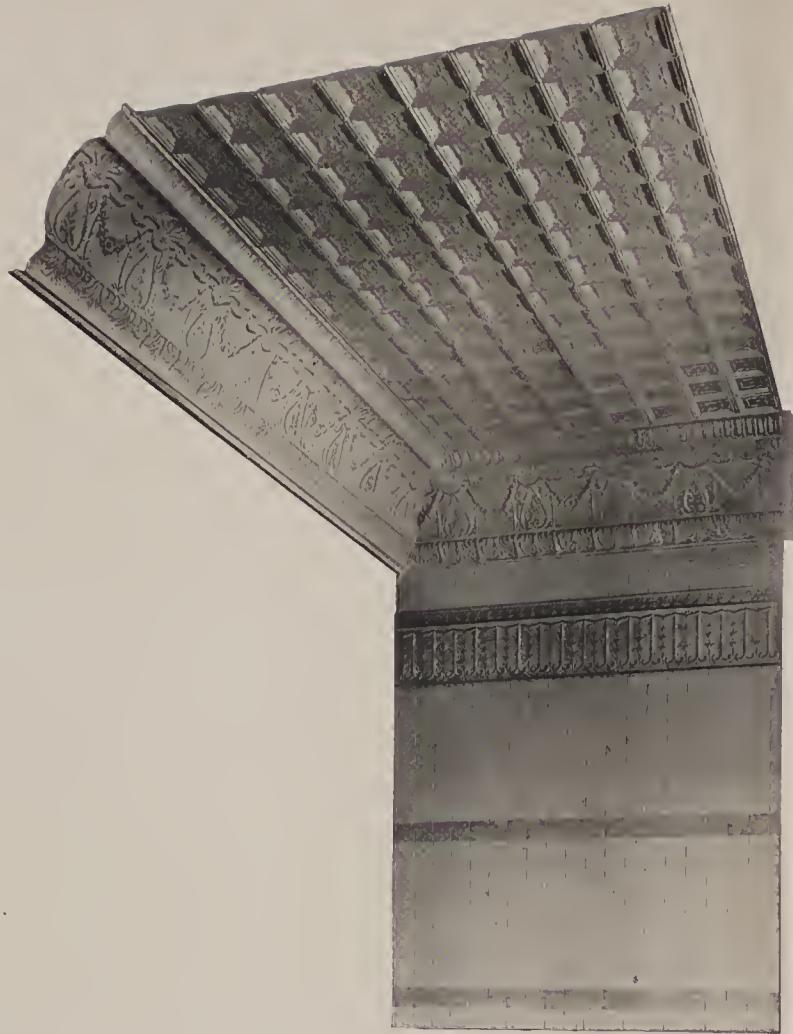


Cluster of Gothic Field Plates

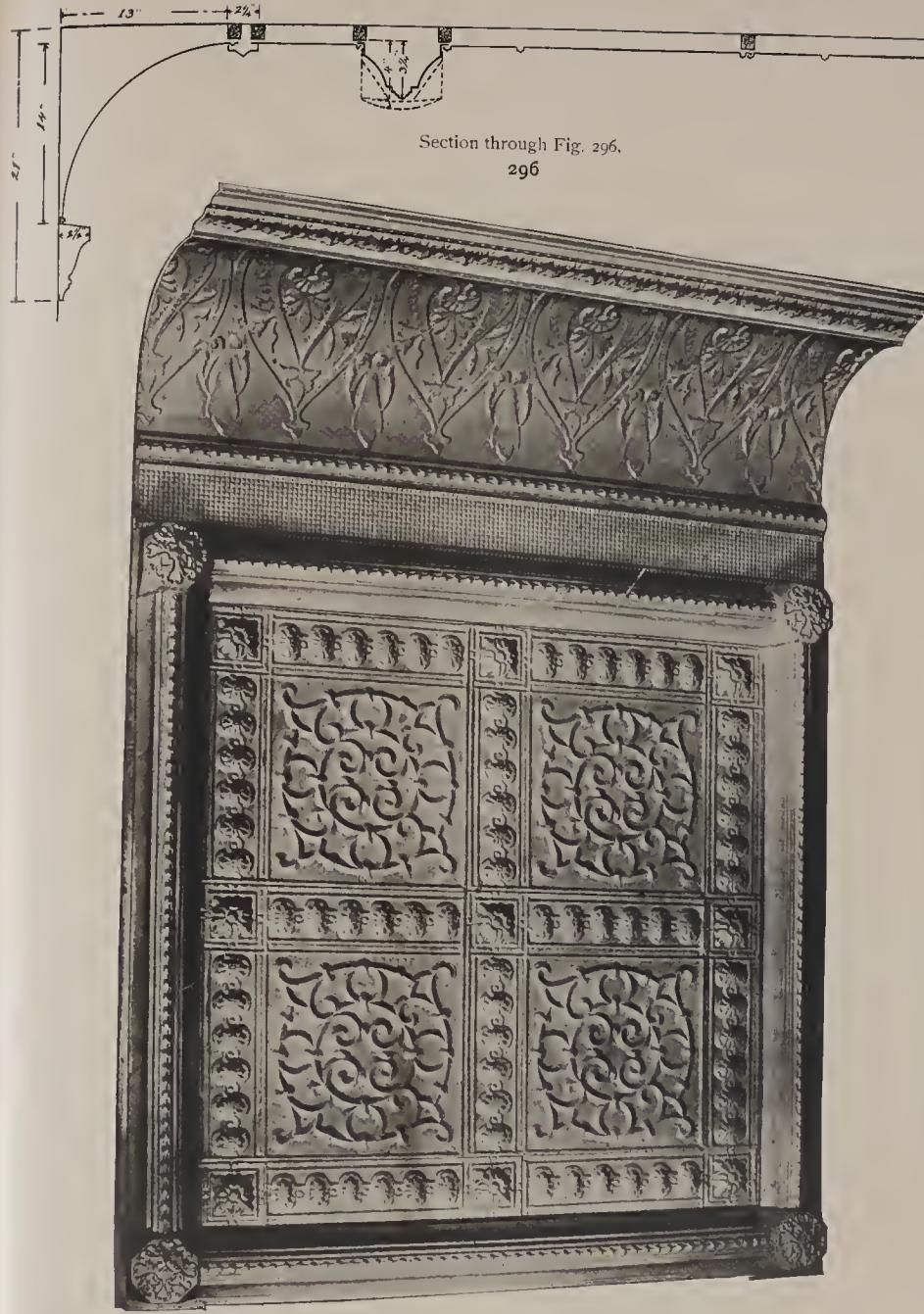
677



Our New Colonial Ceiling Plates in long sheets 24x72 inches. Plates 12x12 inches.



Shows our 6x6-inch Plates in sheets 24x96 inches by $\frac{7}{8}$ deep, also our new Side-Wall Tile.
Fig. 800, Size of Tile $1\frac{1}{2}$ x6 inches, sheets 24x96 inches.



Section through Fig. 296.
296

Gothic Plates, Cove and Beam Mould.

Cove

Border

Field

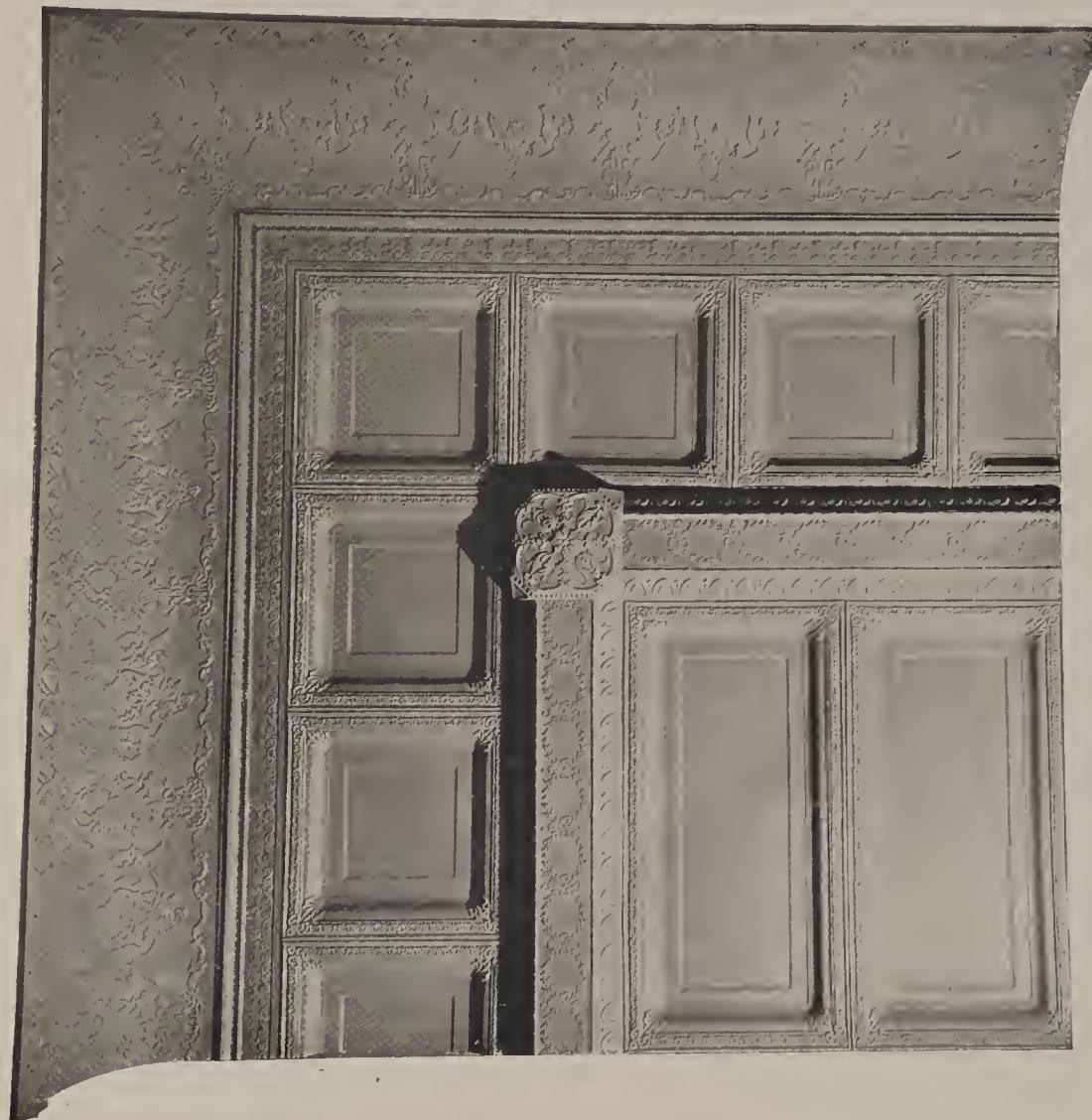


Colonial Ceiling. Medium Deep Mould Plates $1\frac{1}{4}$ inches deep and Cove.

475



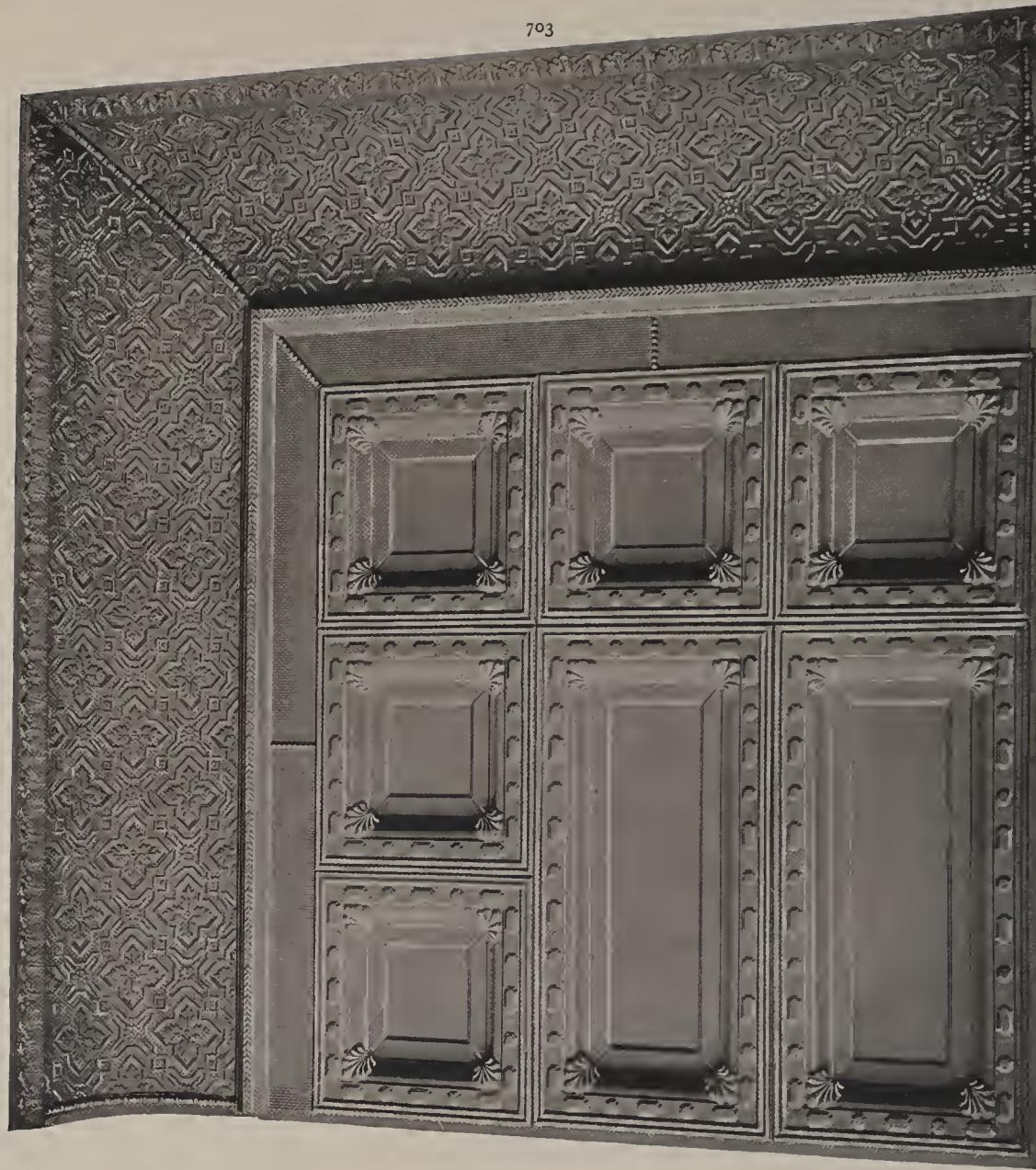
Rococo Style Deep Beam Mould and Drop Block Effect. See Fig. 69.



Colonial. Quarter Section $2\frac{1}{4}$ inches deep plates. 12 inch Mould, 3 inches deep and Zinc Drop Blocks
Cove Emblematic, 22 inches girth. See Figs. 89 and 90.



ELIZABETHAN. 17 $\frac{1}{2}$ inches deep Mould Plates, 9-inch Beam Mould. 3 inches deep, Drop Blocks. See Figs. 73 and 74.
Elizabethan Special Church Plates. Also for any style high ceiling work.



Quarter Section 2 1/4 inch Deep Mould Plates.

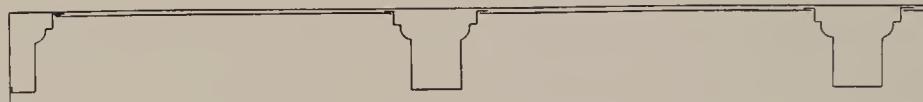


Quarter Section, Rococo Style, Deep Mold Plates, Border Beam Moulds, Drop Blocks and Large Cove.





Gothic Field Plates, Cove and Frieze.



Sectional view



Beam Ceiling with Stippled Field Work.



Continuous Egg and Dart Ceiling Plates, Fig. 809, 24 x 96 inches in combination of Cove, Frieze and Sidewall.



Bath Room Side Walls and Ceiling.



Kitchen Ceiling



Bath Room Sides and Ceiling.

Borders, Cove and Field

705

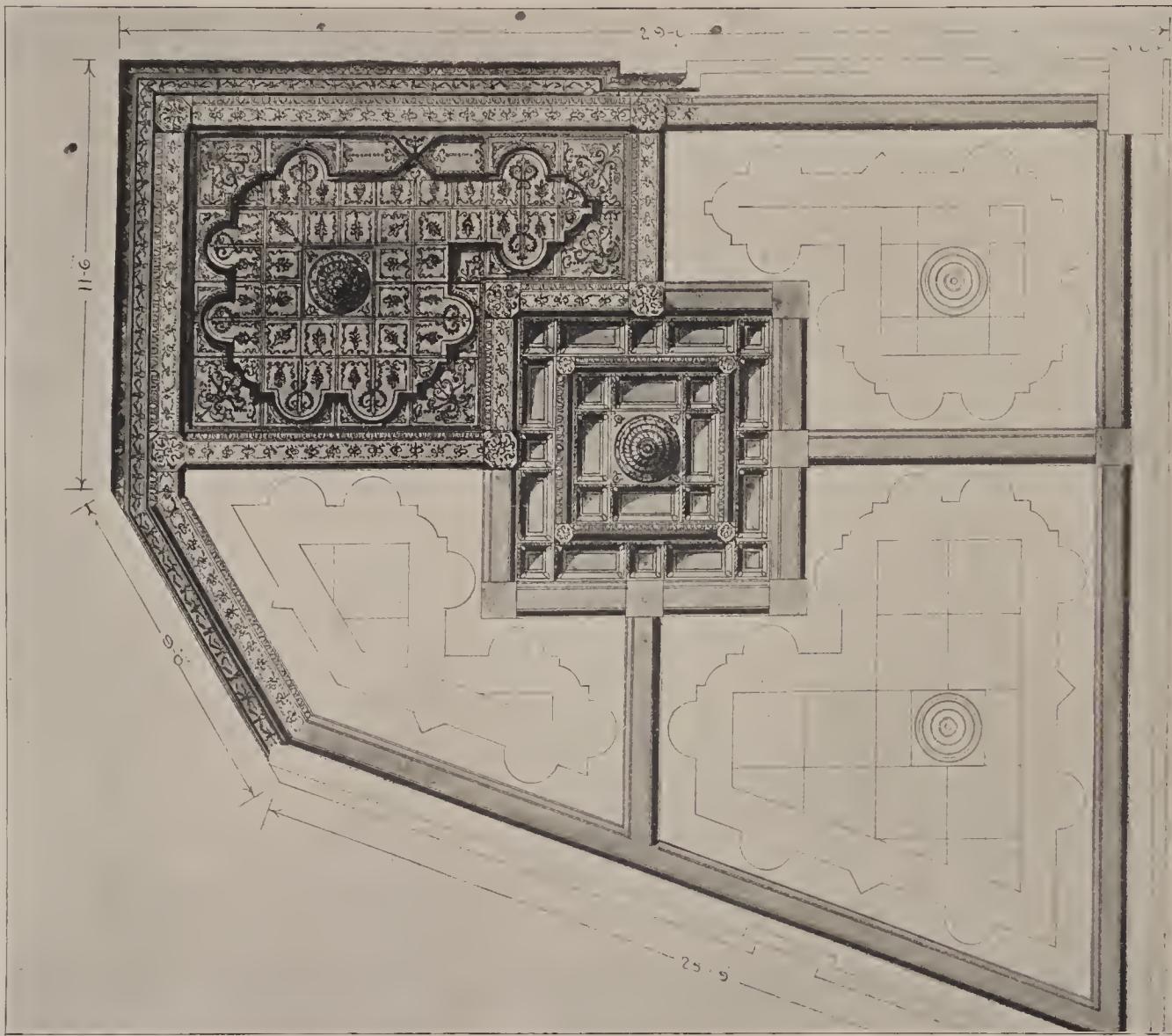


Section of Border, Cove and Field Plates.



373







Metal Ceiling and Post Covering in Saal's large Clothing Store, Petersburg, Va.



Ward in St. Joseph's Hospital, Philadelphia, Pa.



Our new 30x30 inch Plates, Fig. 855, page 22, Confectionery Parlor. Germantown, Pa.

699

Gothic Stipple



Combination Side-wall and Freize. Body Sheets, 24x48
to 120 inches. Frieze 10 to 18 x 48 to 120 inches.

294



120



Renaissance Plates. Church Work a Specialty.



Retail Store, Metal Ceiling, Empire and Colonial Designs.



Dining Room of Clayton Hotel, Wilmington, Del.

603



Rococo Deep Plate.

606



Renaissance Border, Field and Centers.



Cafe, at Nicetown, Pa., Hunting Park Avenue and Germantown Road.

Empire Colonial Ceiling and Cove. Francis I. Side Wall and Frieze.

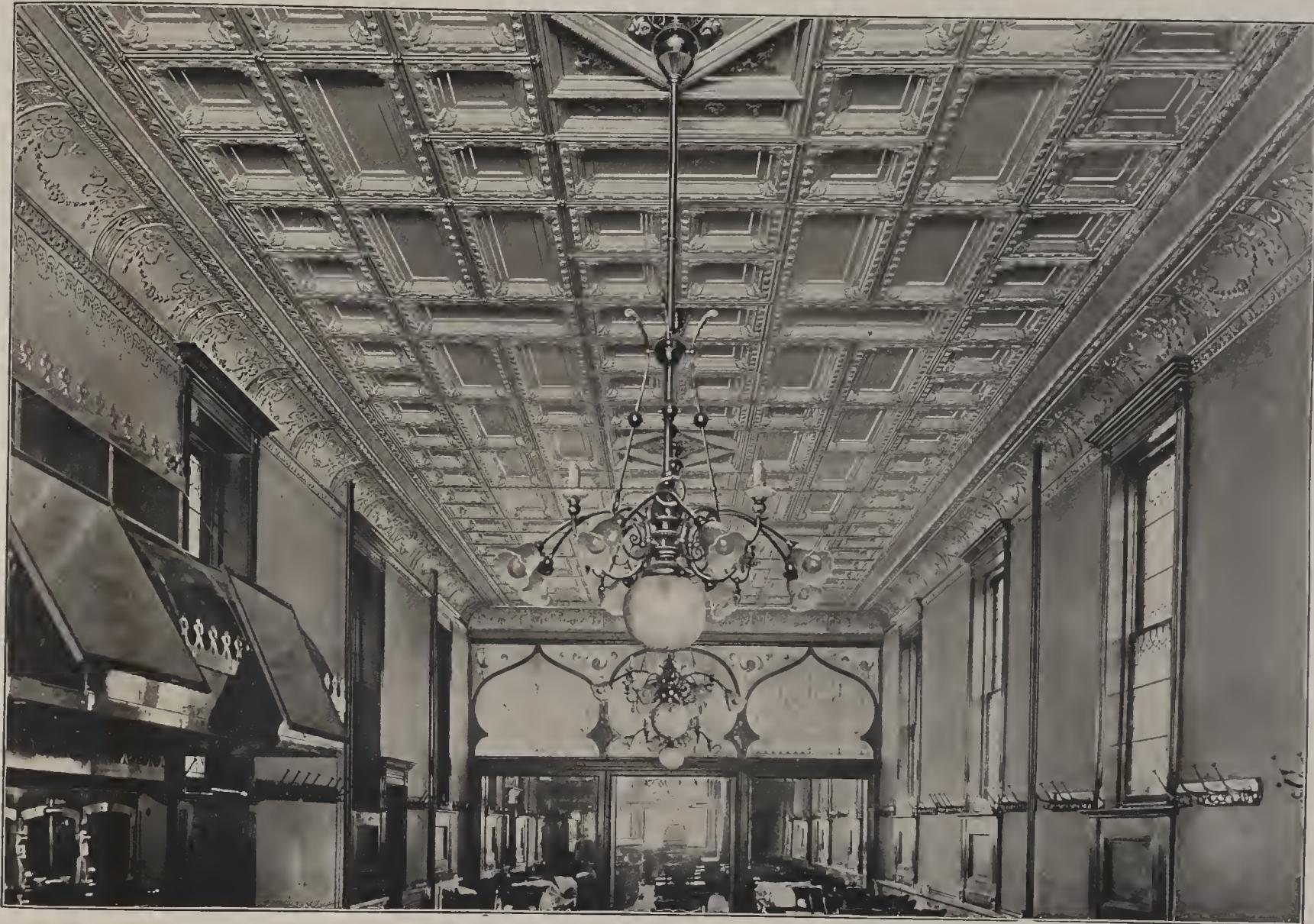
426



Rococo Ceiling Plates and Renaissance Border.



Metal Ceiling and Side Walls. No. 716 Arch Street, Philadelphia.



2½-in. Deep Mould Plate, Colonial Centres, Empire Cove.



Metal Ceilings and Post Coverings and Capitals Under Galleries of Saal's Clothing Store, Petersburg, Va.



Suit of Offices finished with Embossed Metal Sides and Ceiling, Girders, Stairways, etc.

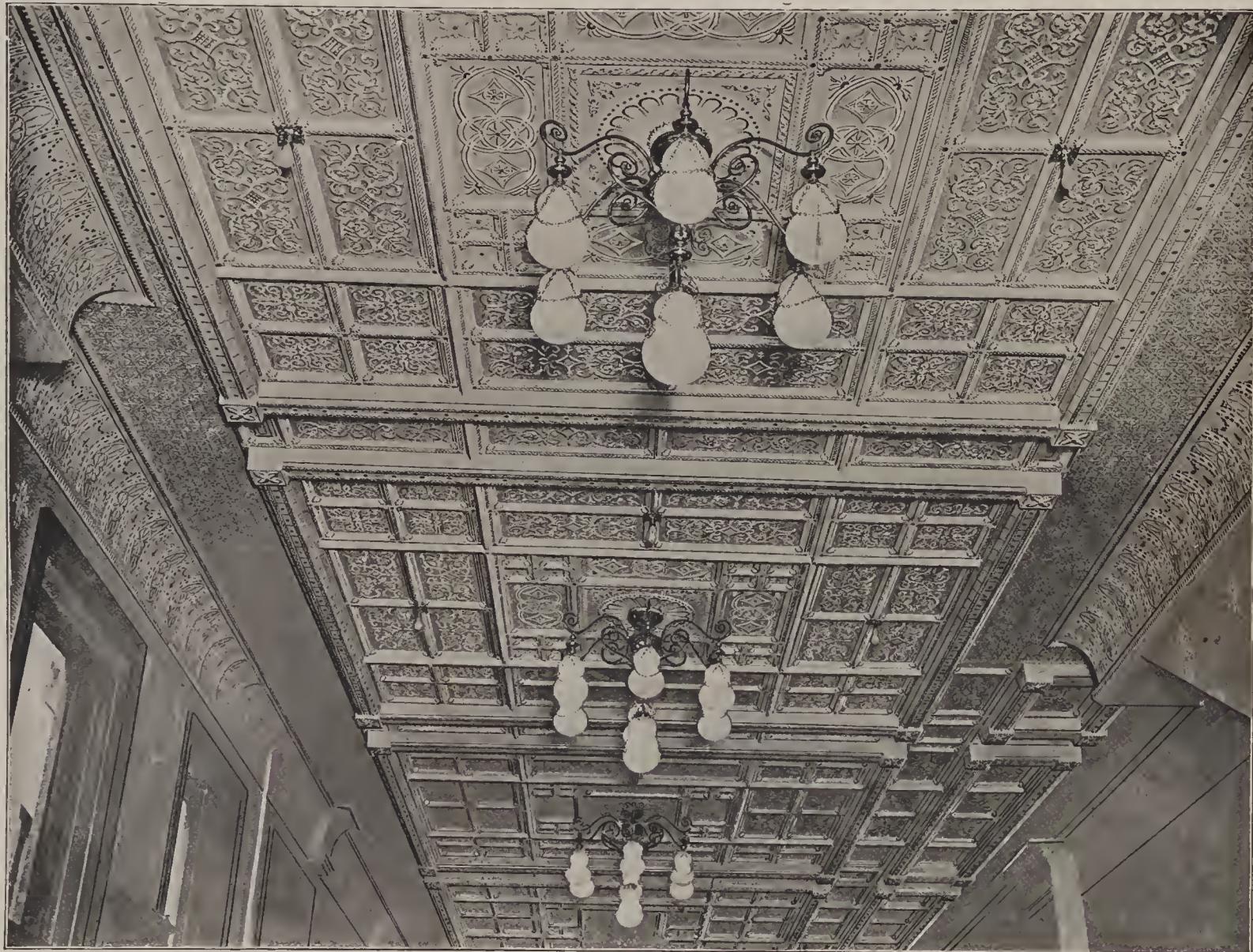
602



Renaissance Plates and Beam Mould Art Relief Frieze.



Metal Ceiling in Restaurant.



Clark's Hotel, Boston, Mass. Ceiling and Cove.



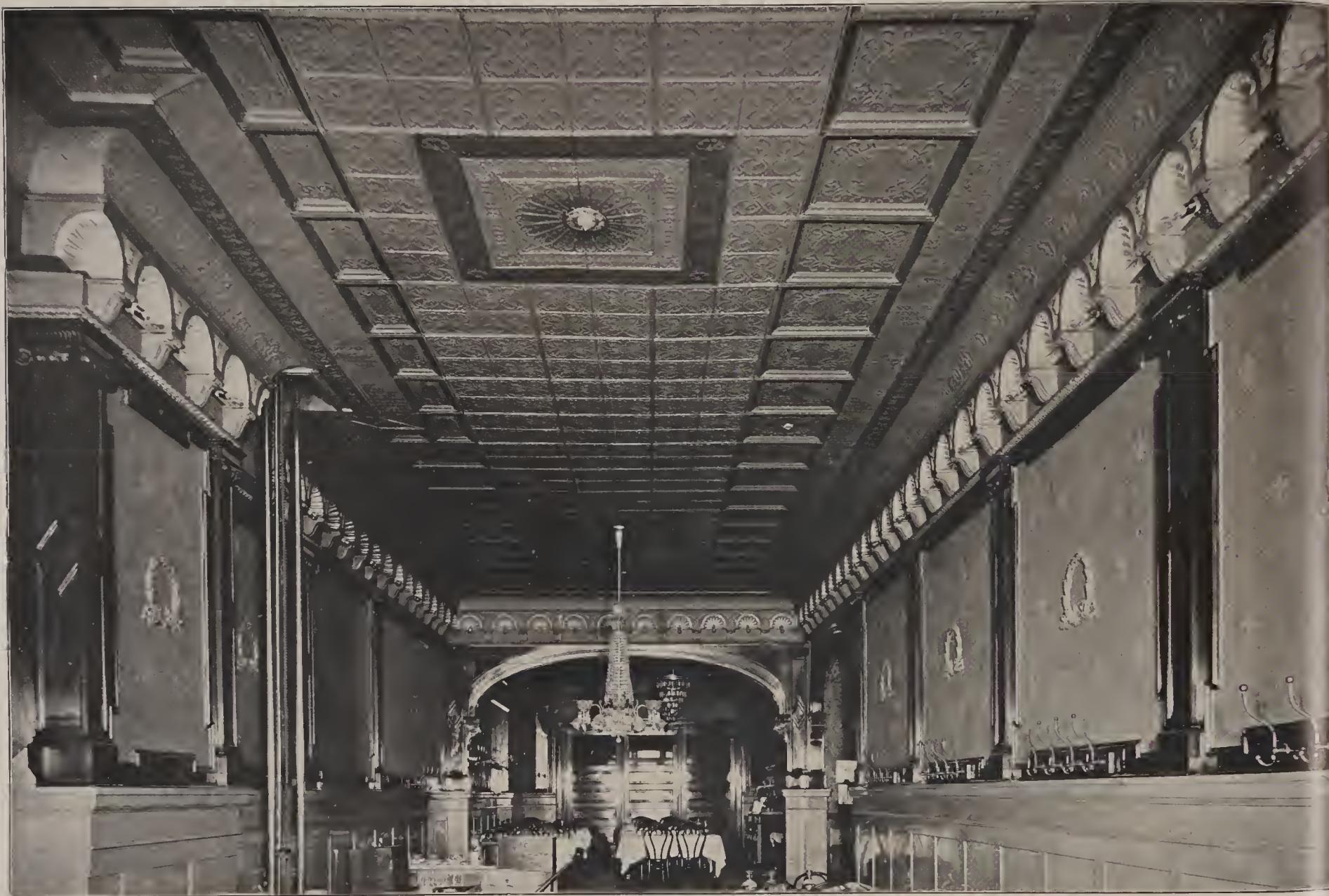
Dining Room Ceiling. Private Residence



Restaurant, Ceiling and Side Walls.



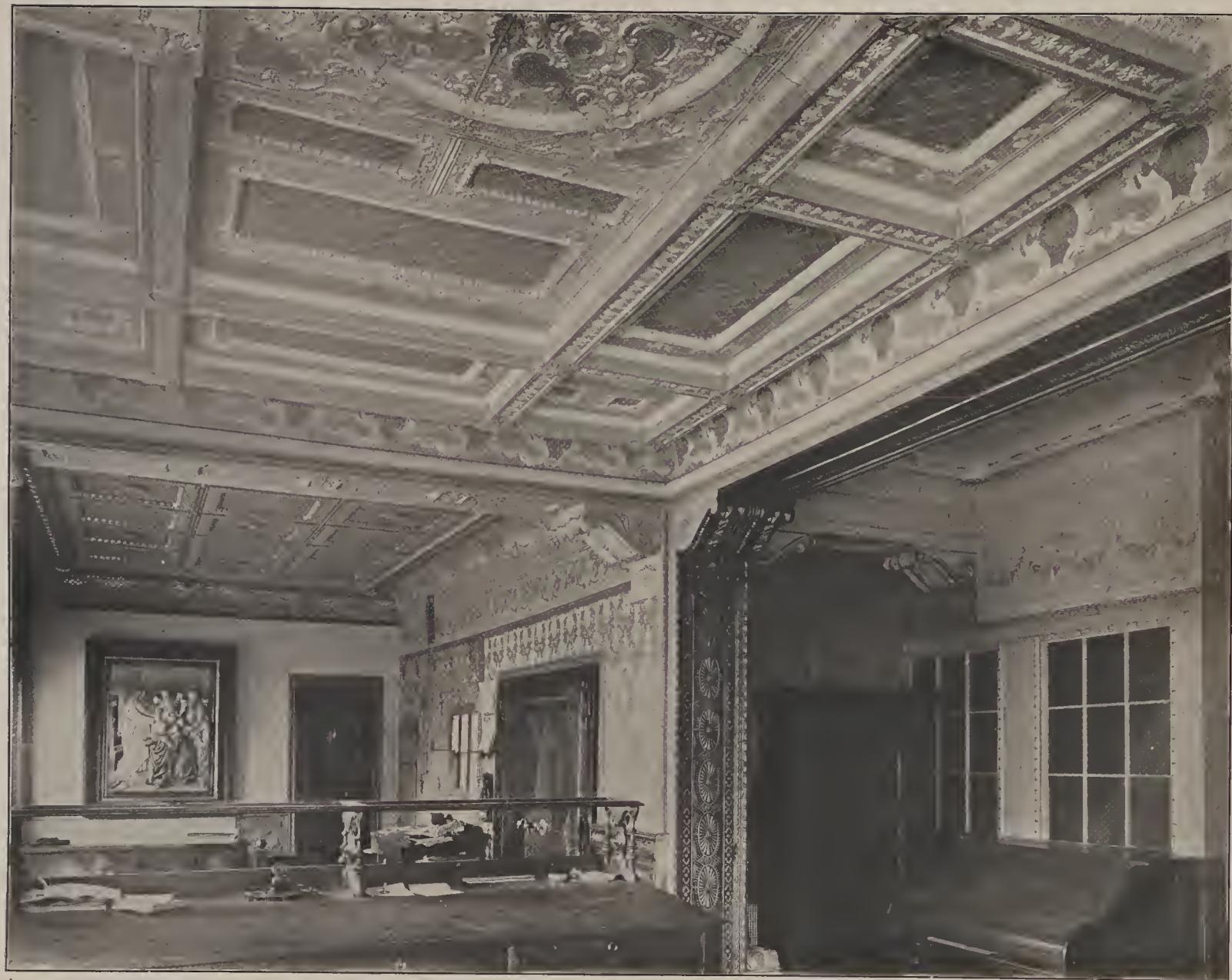
Rococo Deep Plates and Deep Beam Effect.



Boothby's, Chestnut Street, below Thirteenth Street, Philadelphia, Pa. Oyster Cafe. Empire Colonial Style. Roman Frieze.



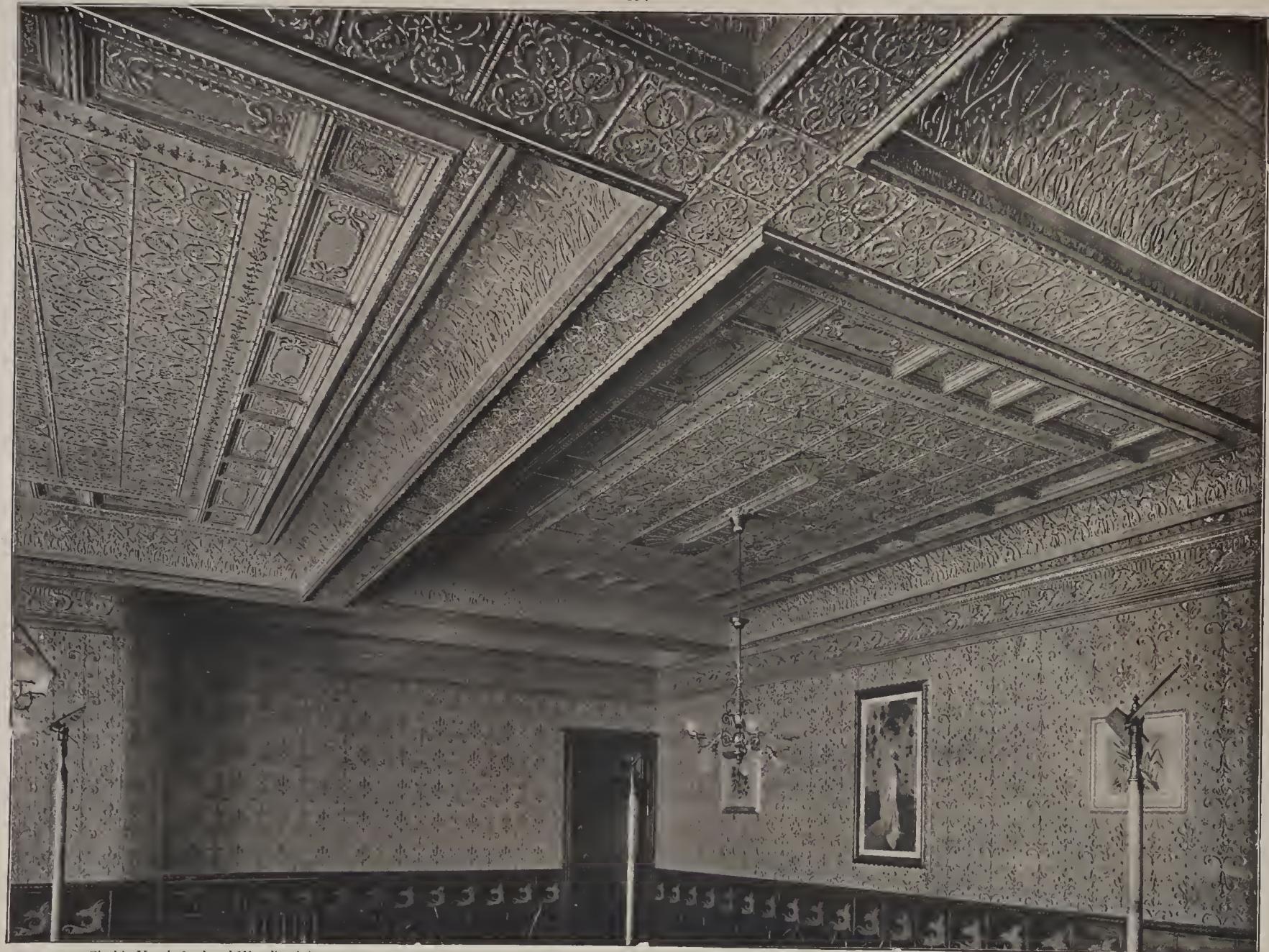
Deep Panel and Girder Effect, $2\frac{1}{4}$ -inch deep Field Plates, Coves, Brackets, Side Wall and Wainscoting.



Suite of Private Offices. Metal Ceiling and Side Wall.



Warehouse and Storeroom Applying Metal Ceilings and Covering Wood Girders.



Clark's Hotel, 63rd and Woodland Avenue, Philadelphia, Pa. Dining Room.—Ceiling and Side Wall. Beam covering, No. 800, Side Wall, Fig. 126. Wainscoting, Fig. 334.



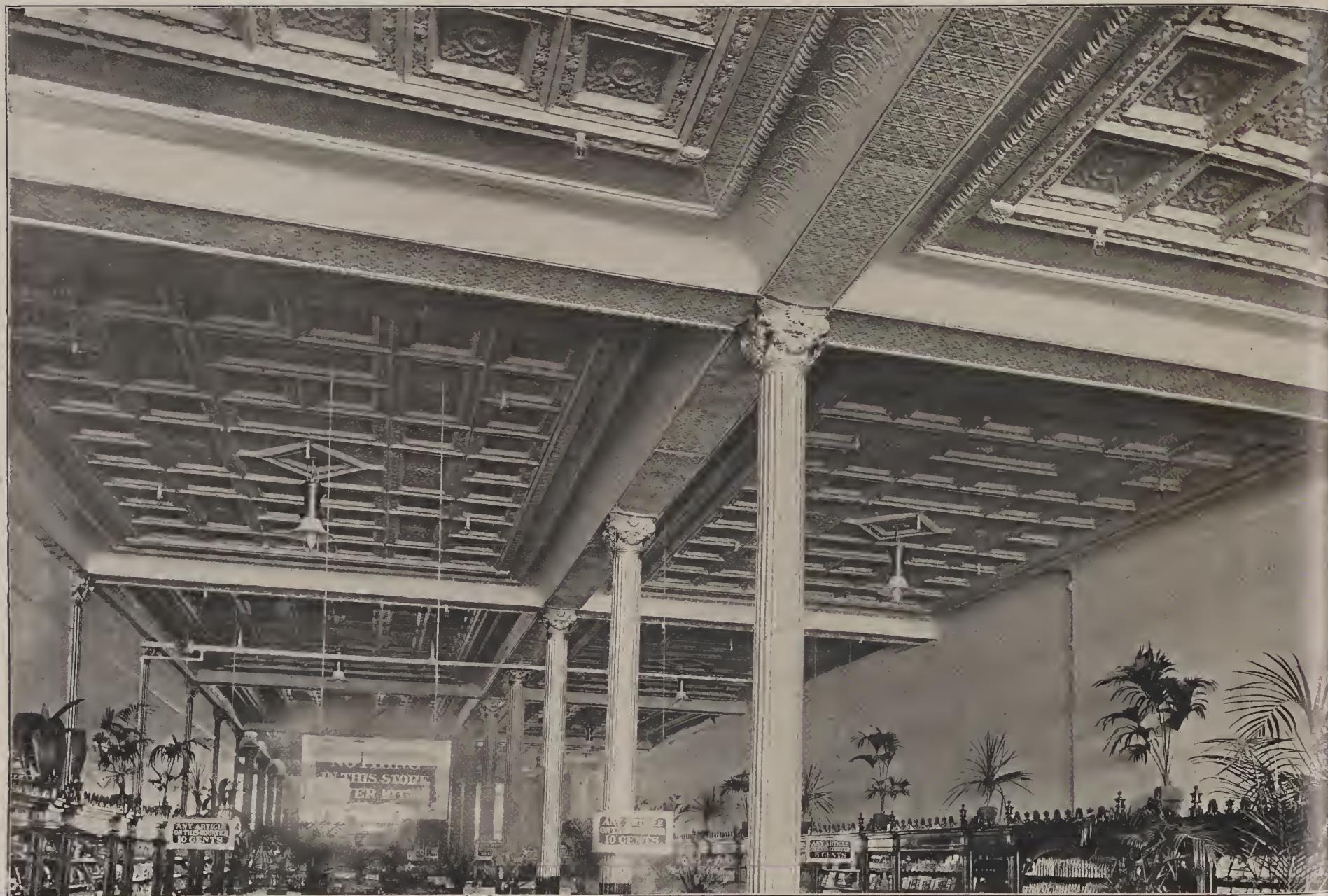
Empire Colonial Deep Plates and Heavy Beam Effect.



Laurent's Confectionery Store, Chestnut Street, Philadelphia, Pa.



Ceiling and Side Wall. Gothic Treatment with Beam Effect.



Woodworth & Co.'s Store, 14th Street, New York City, 20,000 square feet of our Metal Ceilings and Side-Walls. One of sixteen large stores we did for this firm.



Ceiling First National Bank, Camden, N. J.

Colonial, $2\frac{1}{2}$ inches deep Panel Plates, intersected with $3\frac{3}{4}$ inches deep Beam Moulding. Zinc Drop Blocks. Imperial Cove, 7 feet Girth. 78×78 inches square Ventilating Center Piece.



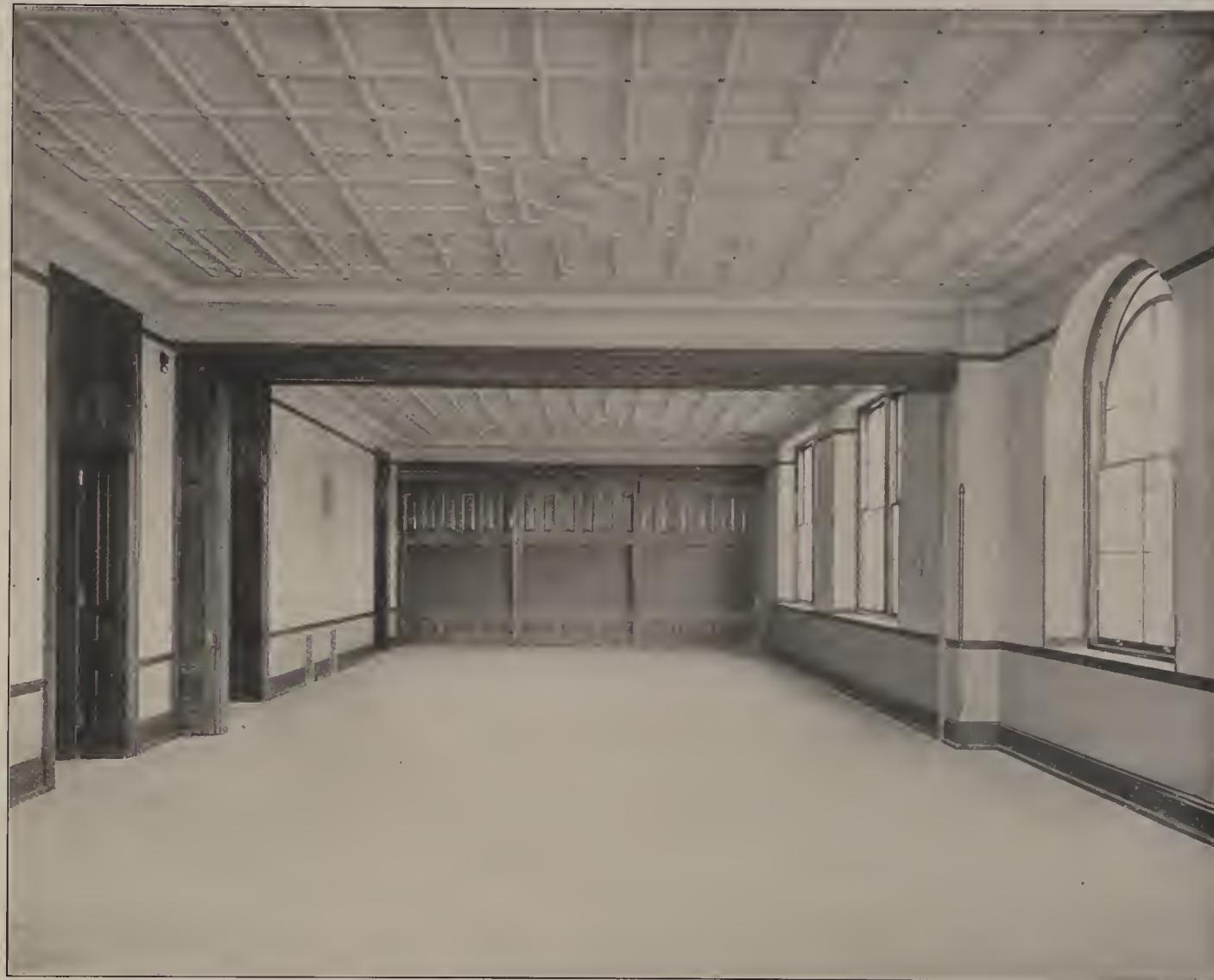
Main Corridor, First Floor, Boys' High School, Philadelphia, Pa



Main Entrance, Boys' High School, Philadelphia, Pa.



Lecture Hall, Boys' High School. Philadelphia, Pa.



Colonial Deep Mould Plates and Cove for Class Rooms and Public Schools.

Empire Field Plates, Cove and Center Piece

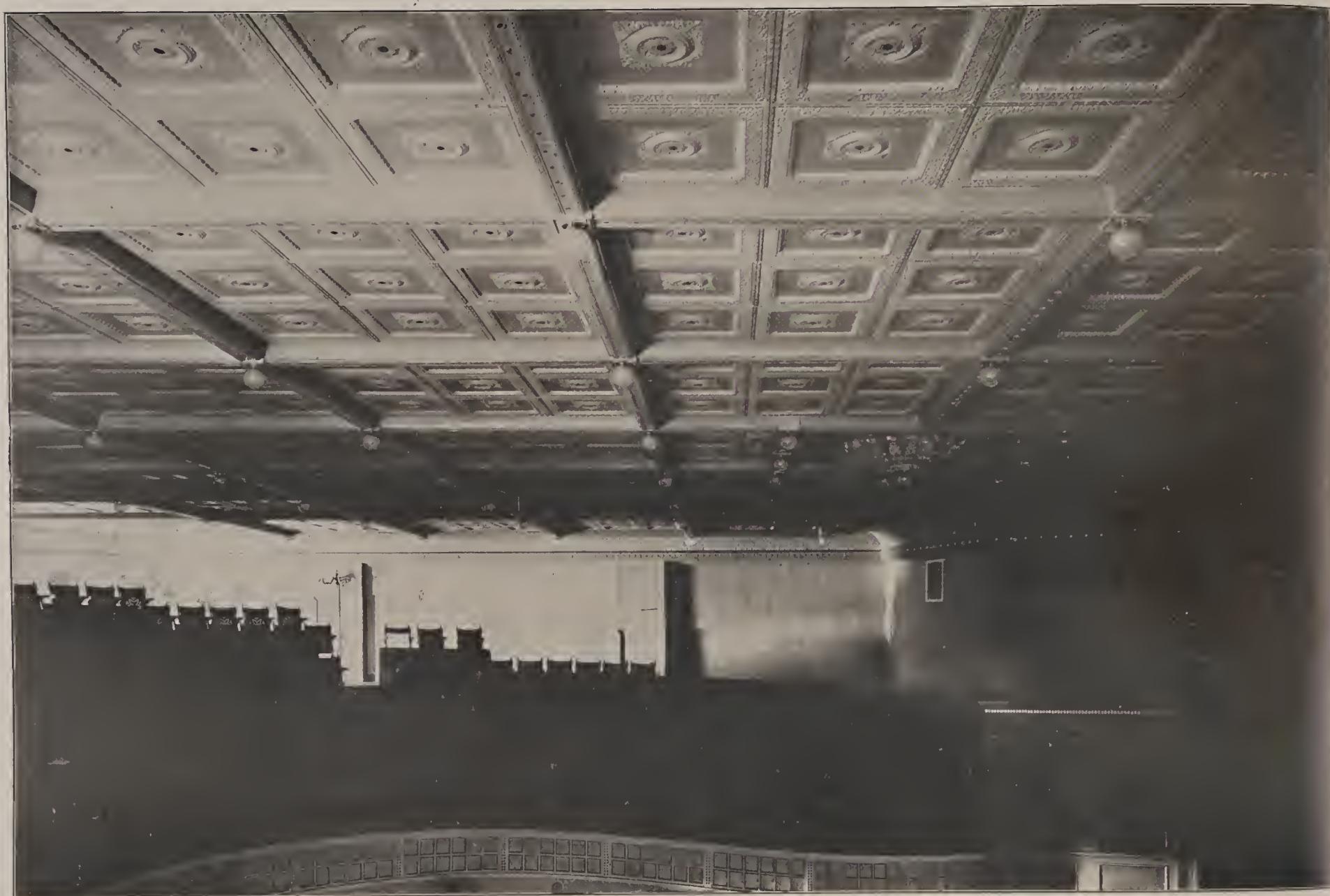
704



Class Room in Public School, Philadelphia, Pa.



Jewelry Store, Roanoke, Va., using our shallow mould plates, $\frac{5}{8}$ inch deep. Center Piece 48 inches square.



Metal Ceiling in Theatre of Soldier's Home, Hampton, Va.



Lodi M. E. Church, Lodi, California.



Church Interior Ceiled with our Art Metal Work.







374



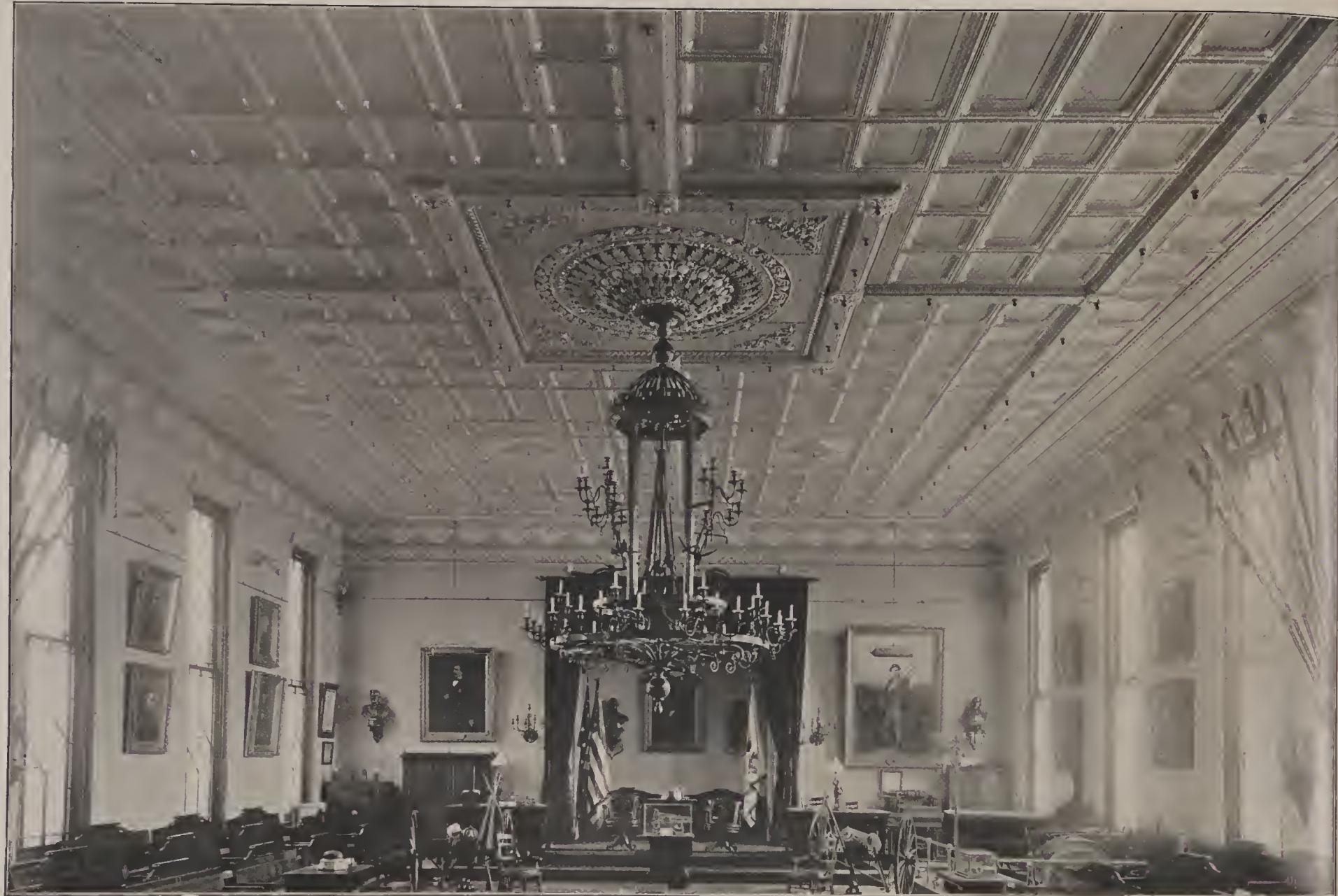
707



Metal Ceiling, Cove and Frieze in Society Hall, Colorado.



Hall Finished with our Metal Ceiling, including Proscenium Arch.



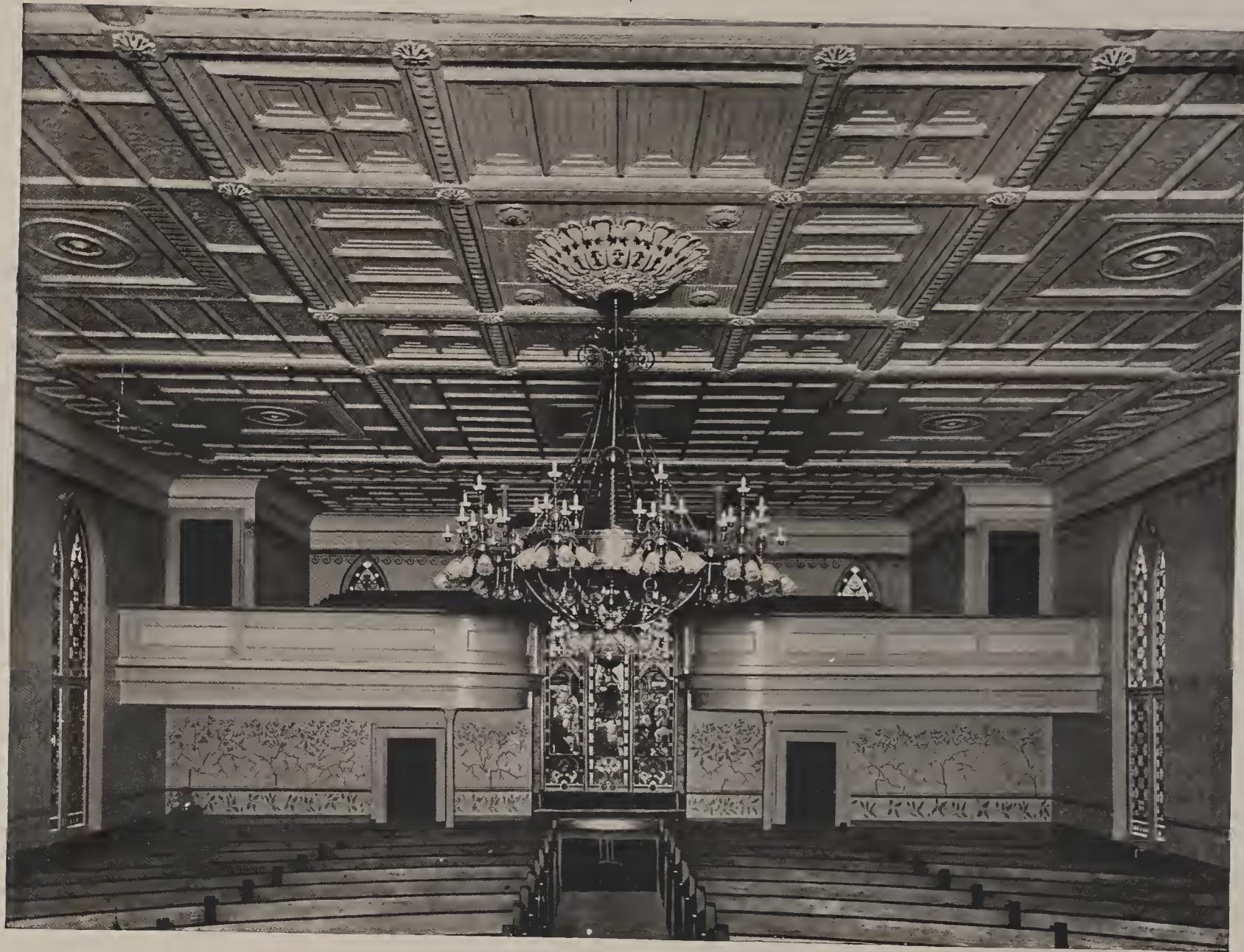
G. A. R. Hall Post 2, 12th and Wallace Streets, Philadelphia, Pa.



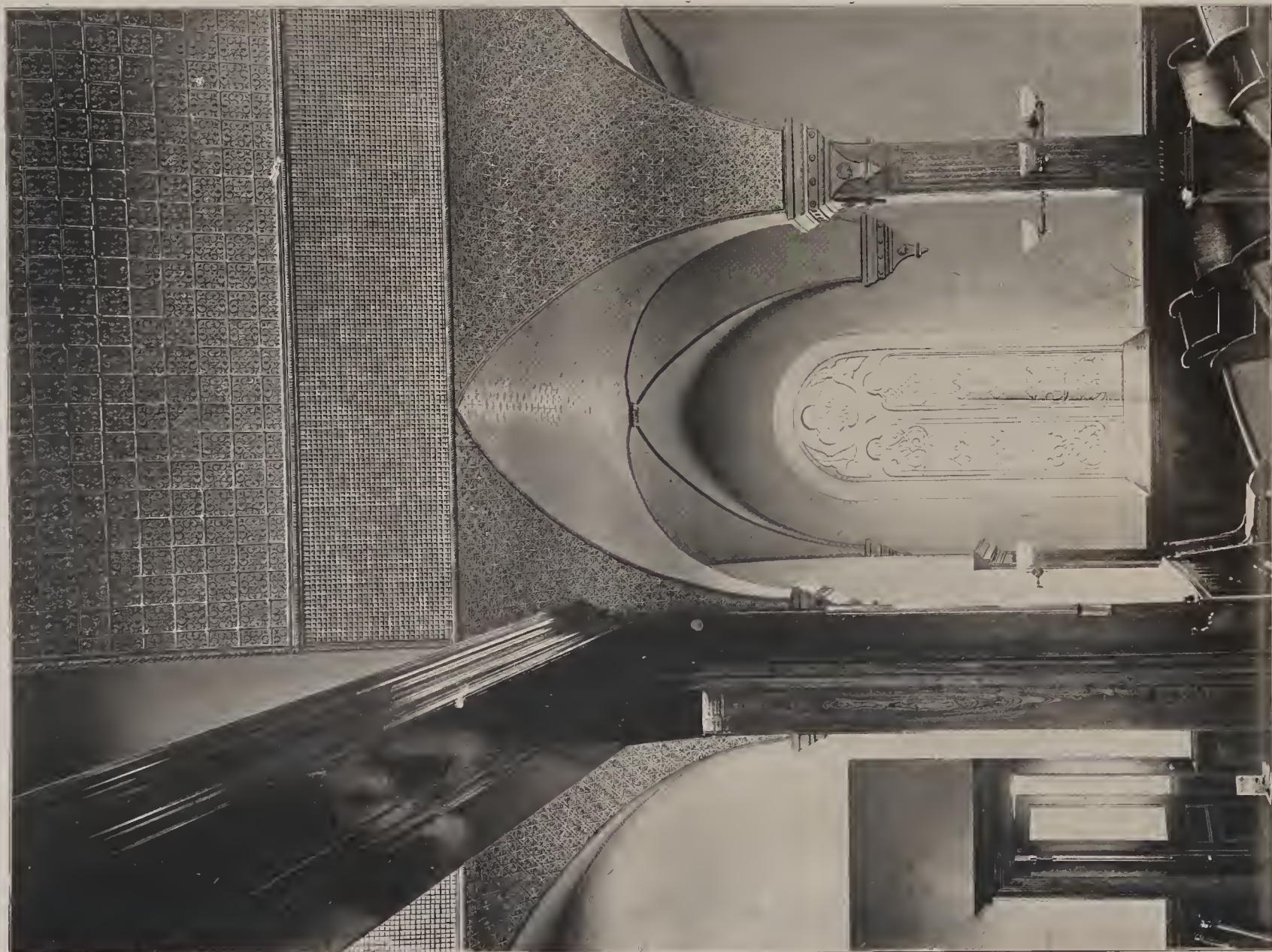
Church at Valatie, N.Y.



Odd Fellows' Hall, Easton, Md.



Church Ceiling, Easton, Md.



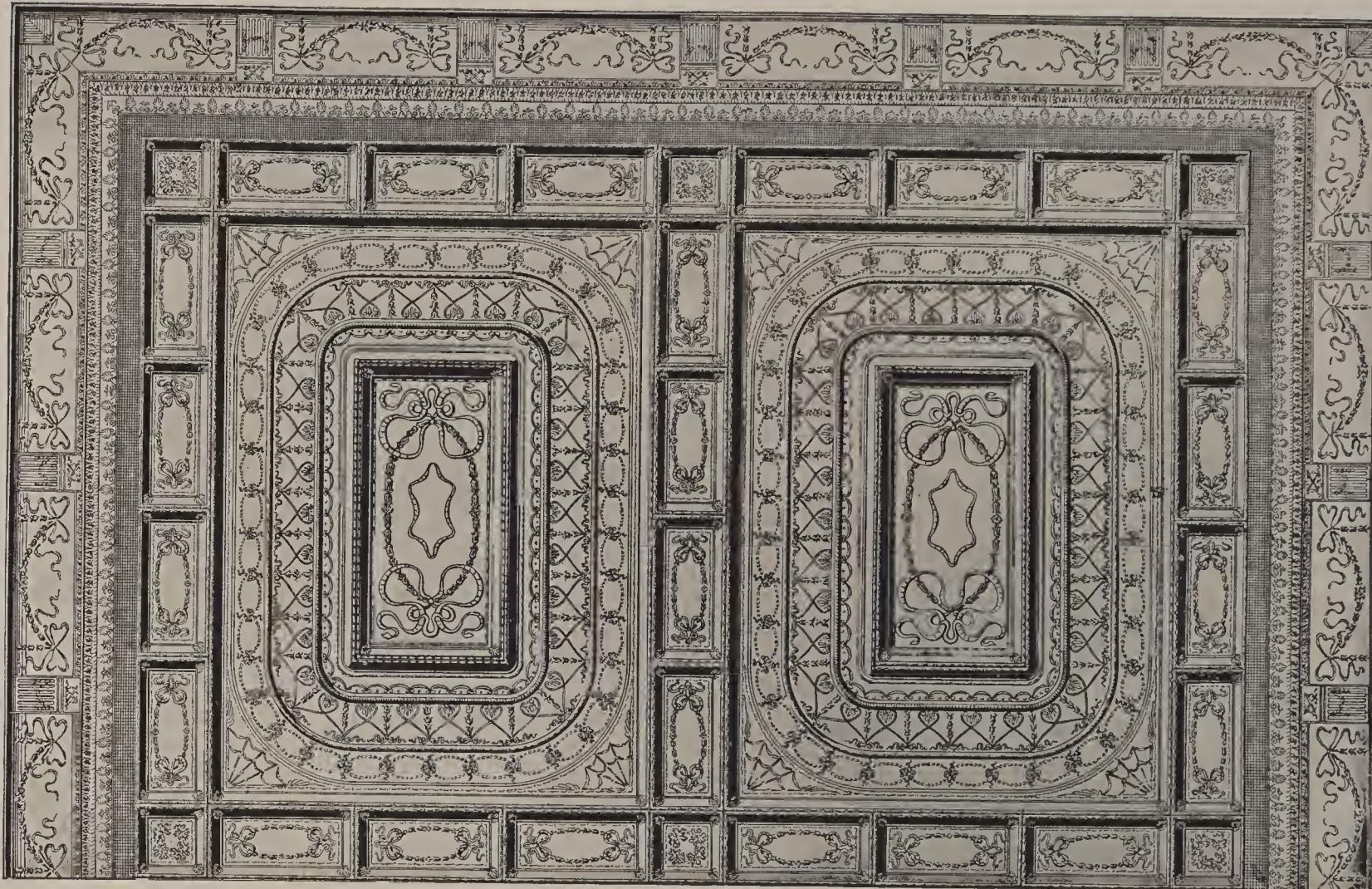
Section of M. E. Church, Atlantic Highlands, N. J.



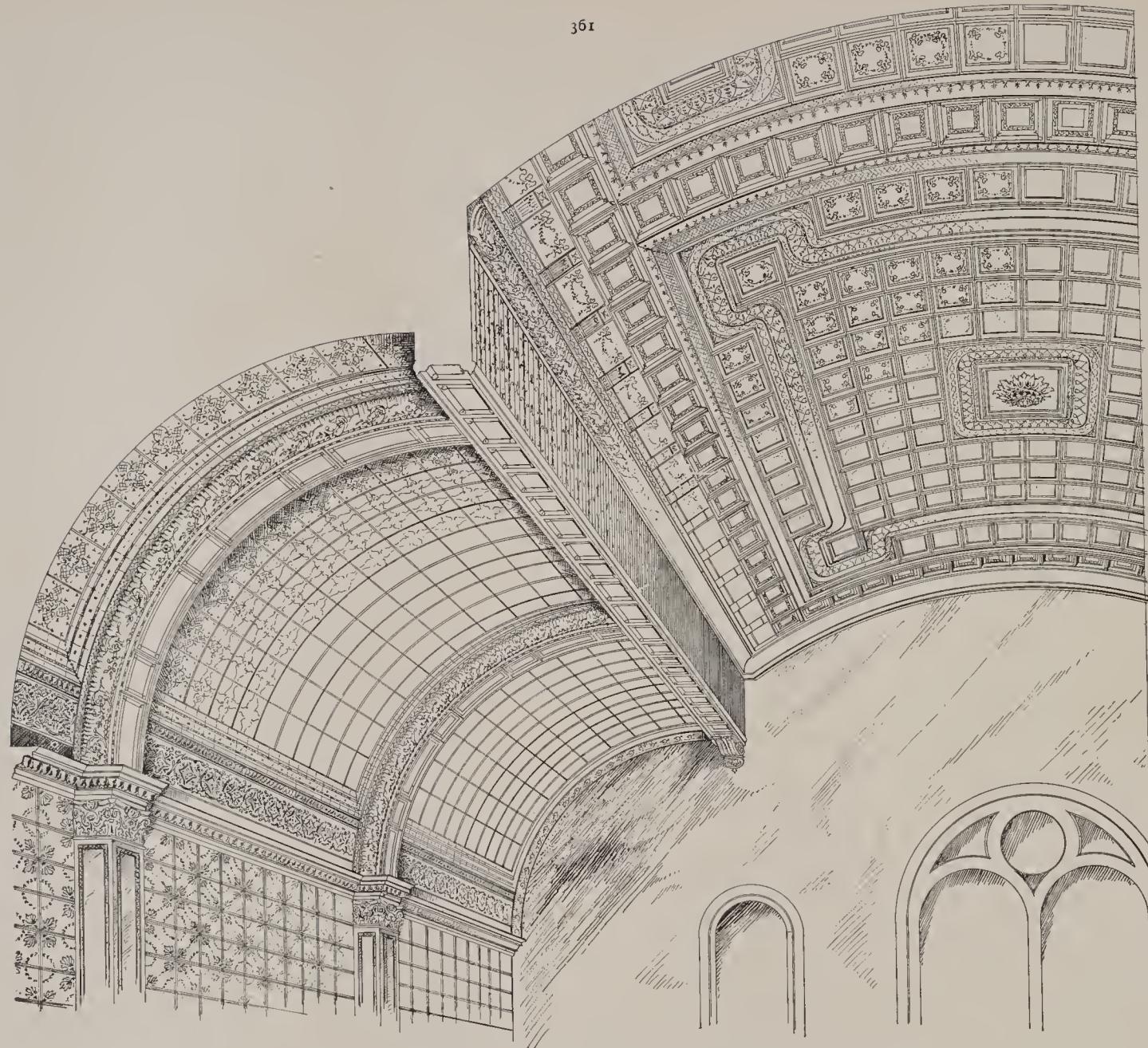
Church Ceiling with Metal Covered Beams, Pilasters and Gallery Facing.



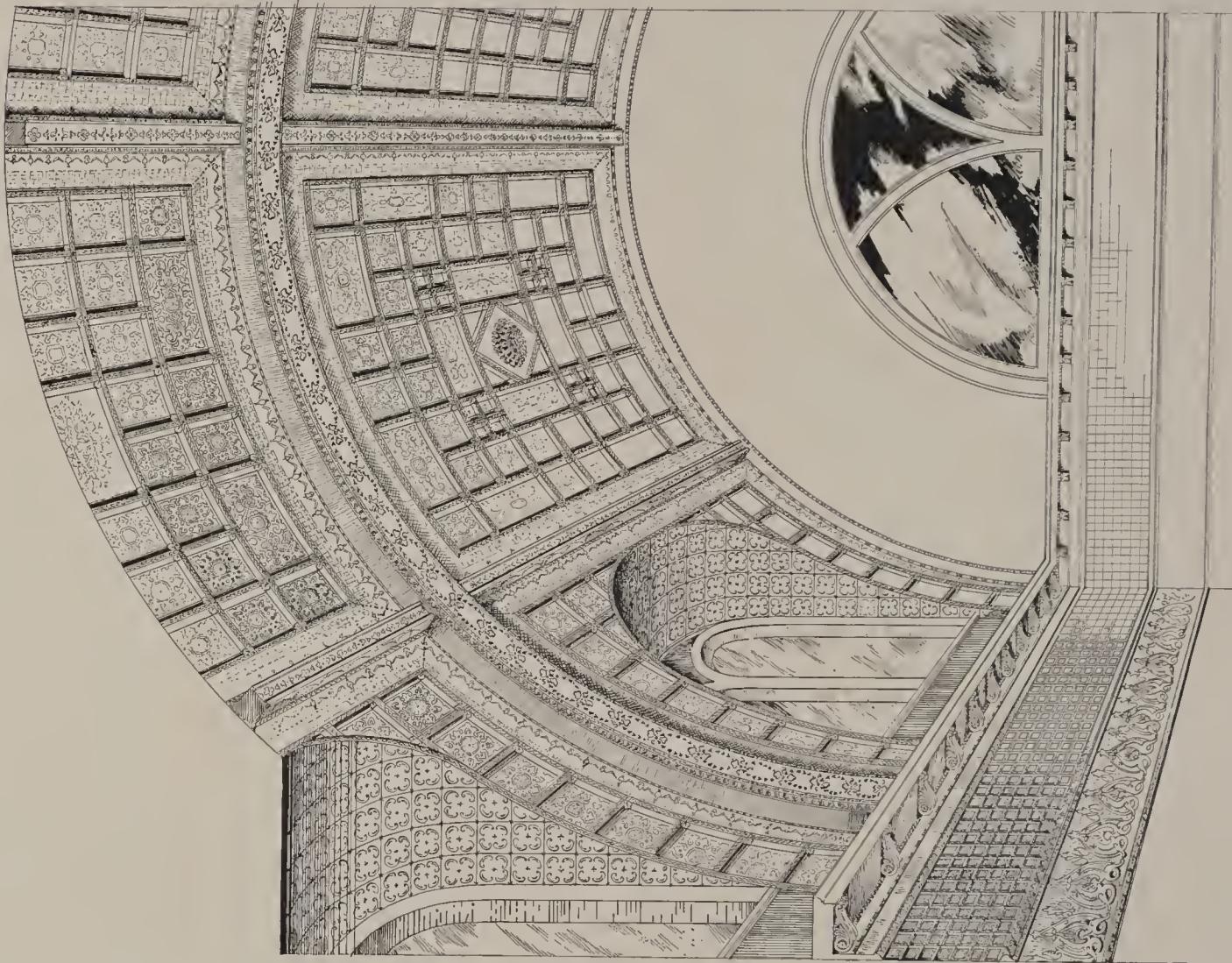
Woodland Avenue M. E. Church, Philadelphia, Pa. Ceiling Plates, $2\frac{1}{4}$ inches deep. Colonial, surrounded by Beam Mould, $3\frac{3}{4}$ inches deep. Drop Girders, 12×16 inches. Pilasters, 16-inch face by 4-foot drop. 12-inch projection. Coves and Frieze.



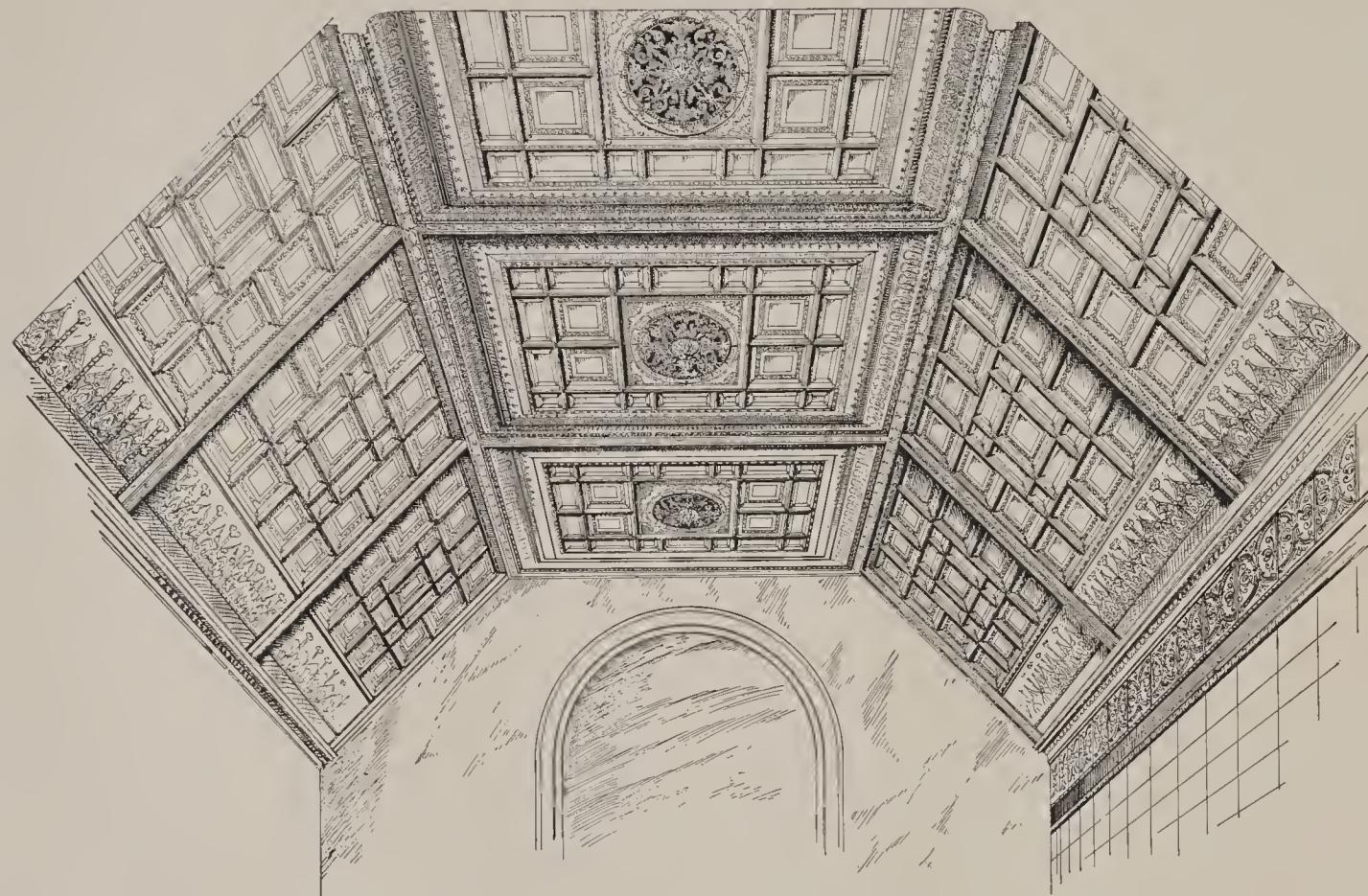
Church or Hall Ceiling.



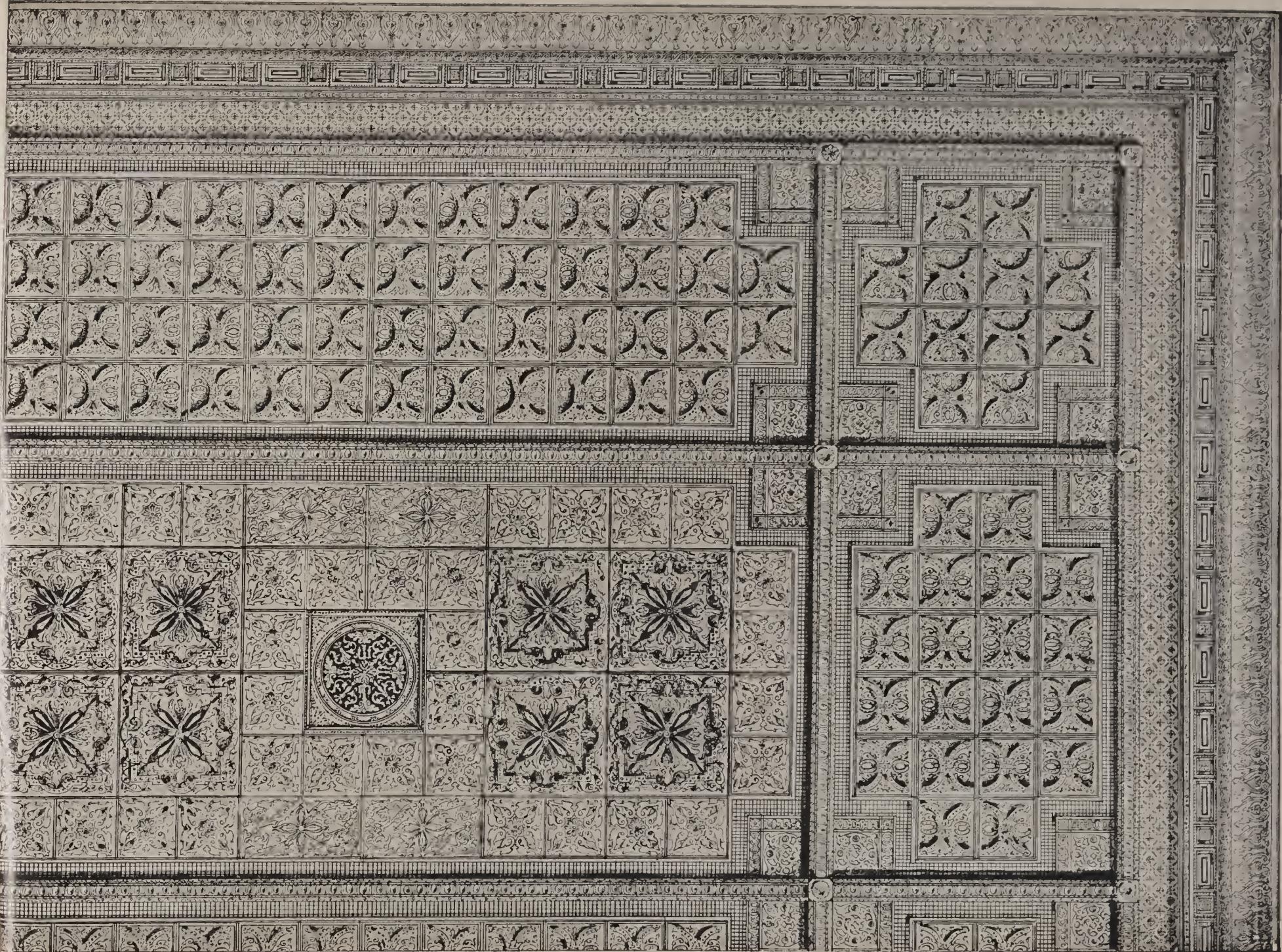
Suggestion for Embossed Metal for interior of a Church.



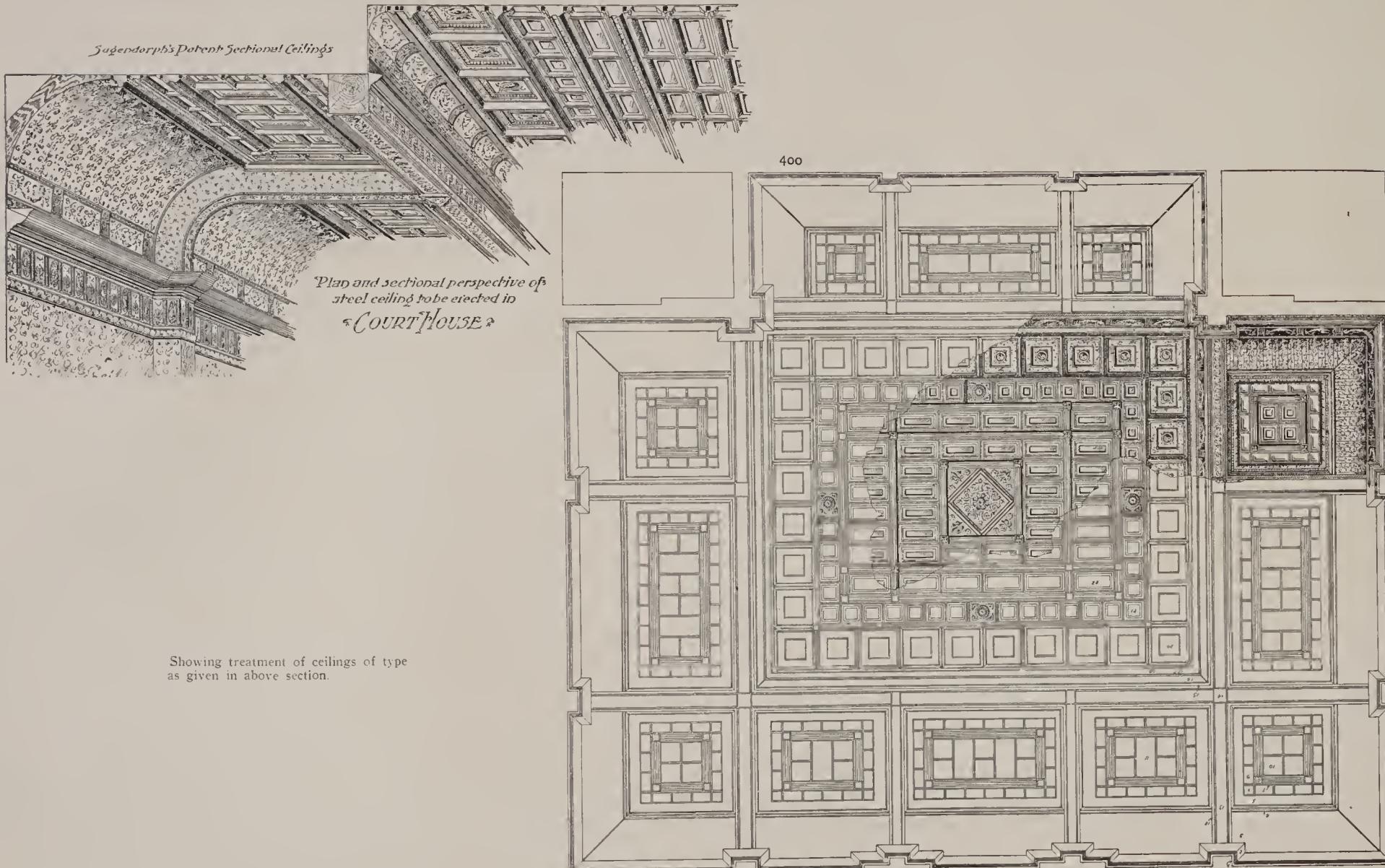
Suggestion for Embossed Metal for interior of a Church



Suggestion for Embossed Metal for interior of a Church.



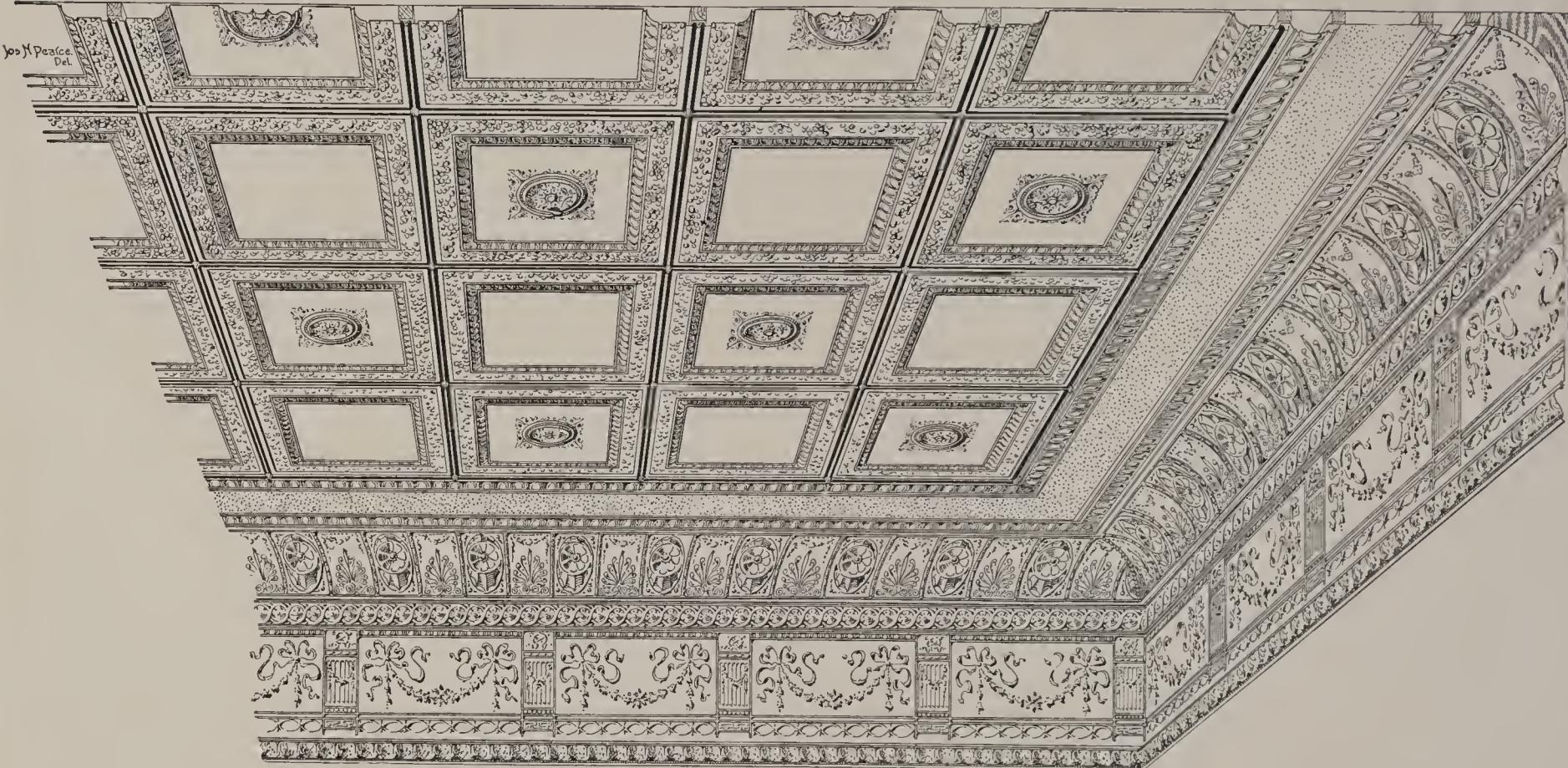
A suggestion for Church or Auditorium Ceiling.





John M. Pearce
Del.

403



Especially adapted to High Ceilings, Churches, Auditoriums, etc.

Elegance

The Superior Merits of Our Patent Sectional Metal Ceilings and Side Wall Plates are

Variety Indefinite

Our Patent Sectional Steel Products excel and exceed all others combined. Ceilings and Side Walls perfection intact.

Dust-Proof Joints

Mouldings varying in depth from 11-16 inch to 2 inches.

Investigation
Should
Precede
Condemnation



Architects

Are never placed in an embarrassing position, or receive rebuke after specifying our goods; they more than please and lend credit to the good judgment and thorough posting of architecture in this line.

We always receive from customers flattering compliments for our designs, workmanship, and general results after applying our Steel Ceilings and Side Wall Products.

A Well Posted Architect Specifies Our Patent Sectional Steel Products

To obtain the square feet of Steel Ceiling necessary to cover any space, add to exact width and length of room drop of Cove or Cornice. Example: Room 20 by 21 feet, with 6 inch drop of Cove all around, would be figured as 21 by 22 feet. This covers the space taken up on side wall and body of ceiling with the Cornice or Cove. Remember this in figuring cost of material needed.

Decorative Art in Steel Sheets

Manufactured from Copper, Brass, Zinc, Galvanized and Aluminum Sheets when specified

Two Points of Demerit are Patent in this Device

(FOLD SLIP JOINT NOT A LOCK JOINT)

FIRST.—If the timbers in the building or furring are not well dried, they will shrink; and if ceiling plates of the slip-joint construction are applied to them, the shrinkage will draw these plates apart, the plates being only slipped together, no fastening in any way used.

SECOND.—By the use of this style of joint, it discards the use of furring strips at the cross section. This weakens the furring or field foundation, which is the main feature of security in the erection of metal ceilings. We admit this style of joint saves the erector both time and the cost of furring, but it is done at the expense of the user, and detrimental to the product.

The Penn Metal Ceiling and Roofing Company, Ltd.

If you wish to obtain the best and most satisfactory results from the use of Steel Ceilings, be sure and specify: All metal ceiling material primed one coat (light color), each side, before shipping.

Comparison of Merits in Our Patent Constructed Ceiling Plates With Others

FIRST.—All our Ceiling Plates are squared on four sides, provided with dust-proof, dove-tailed butt joints (no beaded or lapped edges, or slipped folding joints). Our plates are manufactured in multiple of sizes that allow the designs to be brought out, equaled by no other manufacturer, and in harmony with artistic work. Our variety in designs is large, and each design a separate set of multiples, which enables us to produce a ceiling in one character or art in the design, and we can produce 10,000 designs without a duplicate, confining the work of each ceiling to one order of art—a feature which we are sure will be appreciated by good judges.

With the foregoing, we hope it will merit the attention of the consumers, architects and builders, and a just comparison of merits in Our Patent Sectional Ceiling Plates the same as you make the comparison in prices given by our competitors.

INDEX and CODE

No.	Page	Code	No.	Page	Code	No.	Page	Code	No.	Page	Code	No.	Page	Code
1	35	Abed	62	16	Bent	122	31	Cider	186	36	Done	245	50	Entice
2	35	Able	63	16	Brew	123	31	Cipher	187	42	Doom	246	49	Eulogy
4	14	Adorn	64	11	Beck	124	26	Circle	188	18	Down	247	46	Evade
5	14	Actor	65	13	Best	125	31	Circus	189	42	Double	248	48	Ethics
6	41	Absent	66	21	Behaye	126	33	City	191	43	Ducal	249	45	Event
7	41	Accept	67	11	Bleed	127	33	Citron	192	43	Duchy	250	51	Evil
8	41	Access	68	13	Breast	128	31	Civil	193	43	Duct	251	51	Fable
9	37	Act	69	13	Brand	129	31	Clad	194	38	Due	252	51	Facade
10	15	Acme	70	13	Branch	130	31	Claim	195	38	Dulcet	253	144	Face
11	9	Abide	71	14	Bird	131	33	Coach	196	38	Dumb	254	49	Facile
13	30	Acid	72	33	Bite	132	34	Coal	197	38	Dunce	255	45	Factor
14	15	Active	73	20	Bias	133	33	Code	198	38	Dust	256	51	Fagot
15	48	Affix	74	20	Bright	134	32	Coil	199	37	Duty	257	56	Fail
16	30	Akin	75	19	Bight	135	32	Coke	200	38	During	258	57	Faint
18	15	Alert	76	25	Bier	136	33	Cold	201	38	Each	259	99	Fault
19	17	Alien	77	25	Bigot	137	33	Collar	202	38	Eagle	260	57	Fairy
20	30	Alive	78	25	Bill	138	32	Comb	203	38	Ear	261	55	Fear
21	16	Aboard	79	19	Birch	139	33	Confer	204	37	Ease	262	57	Feast
22	16	Abode	80	19	Bib	140	21	Consul	205	37	Eaten	263	55	Feed
23	16	About	81	19	Boil	142	27	Cue	206	74	Enter	264	99	Fender
24	16	Accost	82	20	Broad	143	34	Cuff	207	74	East	265	100	Fed
25	17	Accord	83	20	Boot	145	27	Culm	208	39	Encamp	266	119	Fewer
26	16	Acorn	84	21	Block	146	26	Curb	209	39	Enseal	267	55	Feign
27	16	Across	85	21	Bloat	148	31	Curse	210	39	Essay	268	55	Fell
28	17	Afloat	86	25	Blood	149	27	Custom	211	39	Eel	269	55	Fence
29	17	Agog	87	25	Blot	150	33	Cycle	212	39	Efface	271	55	Fibre
30	14	Ague	88	25	Bowl	151	34	Dace	213	39	Egg	272	55	Fickle
31	25	Acre	89	20	Boom	153	32	Daft	214	37	Eject	273	55	Fiend
32	25	Adage	90	20	Bold	154	34	Dally	215	37	Eke	274	55	Fiery
33	25	Adapt	91	19	Bun	155	15	Dairy	216	37	Elapse	275	55	Filial
34	30	Add	92	19	Brunt	156	34	Damp	216	38	Elapse	276	55	Filter
35	30	Afar	93	19	Brute	157	15	Dandy	217	37	Elate	277	55	Final
36	30	Again	94	19	Bulk	158	35	Dash	218	37	Elf	279	57	Finder
37	30	Age	95	60	Bump	159	171	Dark	219	44	Entry	280	37	Fish
38	30	Ajar	96	13	Bung	160	35	Date	220	44	Eider	282	55	Foggy
39	30	Alarm	96	59	Bung	162	35	Deal	221	44	Either	283	57	Foist
40	30	Abrupt	97	11	Bury	163	42	Debt	222	44	Elicit	284	55	Fold
41	30	Abuse	98	14	Bust	164	42	Deck	223	44	Elixir	285	54	Forge
42	11	Actual	99	14	Busily	165	42	Deed	224	44	Elk	286	63	Fond
43	14	Alas	100	18	Built	166	42	Defeat	225	44	Else	288	62	Fool
44	30	Allay	101	18	Cab	167	32	Define	226	44	Elves	289	139	Fop
45	30	Allow	102	18	Cadet	168	13	Defer	227	40	Emblem	290	63	Forum
46	30	Alone	103	18	Calk	169	47	Deject	228	43	Embryo	291	63	Fulfil
47	30	Aloud	104	18	Camel	170	47	Delay	229	154	Empty	294	120	Fun
48	30	Also	105	34	Camp	171	36	Dial	230	43	Emerge	295	56	Furl
49	30	Amid	106	51	Canal	172	35	Diary	231	43	Elope	296	105	Furry
50	9	Anew	107	51	Candle	173	35	Dice	232	43	Embodiment	297	66	Fuse
51	10	Bad	108	147	Cane	174	13	Dirt	233	43	End	298	65	Fruit
52	8	Bare	109	92	Cargo	175	35	Diet	234	48	Enemy	299	65	Frost
53	31	Balk	110	92	Carol	176	35	Digest	235	48	Enigma	300	64	Feud
54	8	Base	111	49	Cease	177	35	Dimple	236	38	Enrage	301	64	Gag
55	10	Bale	112	48	Cedar	178	35	Dinner	237	43	Entail	302	118	Gable
55	26	Bale	113	22	Cell	179	42	Direct	238	49	Entity	303	15	Gaily
56	26	Baby	114	22	Cement	180	36	Disc	239	49	Erase	304	129	Gala
57	32	Bread	115	8	Cent	181	36	Docile	240	50	Errand	305	27	Gall
58	8	Back	116	10	Check	182	36	Dock	241	49	Epoch	306	15	Gambol
59	17	Blest	117	72	Cheap	183	36	Dodge	242	50	Equip	307	15	Gang
60	59	Beg	118	18	Cheer	184	36	Dogma	243	48	Equal	308	15	Garb
61	13	Bell	119	18	Chest	185	43	Dolt	244	50	Equerry	309	15	Garner

INDEX—Continued

No.	Page	Code	No.	Page	Code	No.	Page	Code	No.	Page	Code	No.	Page	Code	No.	Page	Code
377	54	Hives	465	88	Kick	533	47	Lobe	600	10	Mutual	751	45	Rabbit	866	22	Sumach
378	121	Hilt	467	24	Kill	534	28	Locate	602	132	Nabob	800	15	Sabot	867	22	Summit
379	54	History	468	79	Kimbo	535	36	Locust	603	124	Naïfer	801	8	Sable	868	59	Sunder
380	54	Hoard	469	91	Kine	536	43	Loft	606	125	Napkin	802	9	Sabre	868	22	Sunder
381	54	Hook	470	79	Kiss	537	46	Logic	608	151	Narrow	803	73	Sacred	870	111	Superb
382	54	Hoe	471	110	Kite	538	28	Loiter	610	172	Nay	804	29	Safety	871	111	Surety
384	135	Hoax	474	93	Kitten	539	46	Loon	651	54	Oasis	805	29	Sago	872	58	Surge
386	110	Holder	475	105	Knack	540	28	Lotion	673	12	Oar	806	36	Saint	993	53	Wabble
394	142	Hub	476	95	Knave	541	50	Lucent	674	79	Oath	807	60	Salad	1127	54	Wad
397	167	Humor	477	96	Knead	542	28	Lucid	675	45	Obey	808	61	Salary	1174	52	Wafer
398	56	Hunger	478	94	Knell	543	46	Lug	676	45	Object	809	11	Saline	2052	52	Wager
399	173	Hurt	479	96	Knife	544	28	Lull	677	104	Oblate	810	14	Saliva	2122	52	Waigle
400	174	Husk	480	95	Knit	545	46	Lump	678	90	Oblong	811	76	Search	2124	52	Waist
402	126	Iambic	481	94	Knobby	546	28	Lunch	679	169	Obtuse	813	76	Secret	2137	52	Waive
403	175	Icicle	482	93	Koran	548	149	Lurch	681	78	Occur	814	73	Sedan	2138	52	Wallow
405	164	Idea	488	83	Know	549	148	Lustre	682	78	Ocean	815	77	Seemly	2139	52	Warble
408	19	Idiom	489	83	Kindle	550	150	Lyre	699	120	Odor	816	24	Segar	2147	52	Warden
409	19	Idle	490	83	Kingly	554	146	Madam	700	89	Pacer	817	24	Seine	2152	52	Washer
410	19	Ignite	491	82	Kirtle	555	138	Madder	701	44	Pacify	818	26	Seldom	2189	53	Waxen
411	19	Ignore	492	82	Klick	556	162	Magic	702	9	Pact	819	77	Senate	2190	52	Weal
418	60	Ill	493	82	Keeve	559	24	Malice	703	109	Paddle	820	63	Serene	2194	52	Weary
419	14	Image	497	20	Kew	560	24	Marble	704	152	Palace	821	85	Sickle	2527	54	Weather
420	32	Imbalm	498	21	Kibe	561	24	Mealy	705	114	Paling	822	112	Sifter	2543	54	Weave
421	19	Imbrie	500	20	Label	564	24	Melody	706	153	Pallet	824	43	Silent	2562	53	Weasel
422	19	Impel	501	12	Labor	565	24	Melter	707	160	Palmy	825	40	Silver	2573	52	Weed
423	47	Impart	502	12	Lace	566	163	Member	708	25	Pamper	826	49	Simile	2574	52	Weigh
424	47	Impugn	503	12	Lactic	567	14	Memoir	709	25	Panic	827	116	Sinful	2580	52	Whale
425	47	Inane	504	12	Lady	568	24	Menace	710	25	Pantry	828	18	Singe	2587	52	Wharf
426	127	Inbred	505	21	Lagoon	569	21	Merge	711	61	Peace	829	18	Sink	2594	52	Wheel
427	14	Incease	506	11	Laity	570	42	Midge	712	22	Pearl	830	8	Sinner	2632	54	Wheeze
428	14	Income	507	34	Lament	571	42	Midst	713	22	Pebble	831	27	Siphon	2653	53	Whelp
429	21	Incur	508	50	Lard	572	133	Milch	714	39	Pedant	832	44	Sire	2743	52	Wherry
430	23	Indent	509	24	Lash	573	21	Mince	715	42	Peeker	833	12	Sirup	2745	52	Whiff
431	23	Induce	510	24	Latch	575	62	Minuet	716	42	Pennon	834	12	Site	2747	52	Whine
432	23	Inert	511	24	Lea	576	68	Minx	717	47	People	835	29	Sizzle	2748	52	Whirl
433	23	Infant	512	21	League	577	68	Mirror	717	103	People	836	75	Sizing	2750	52	Whisk
434	12	Infer	513	21	Learn	578	71	Misery	718	34	Perch	839	67	Sober	2781	53	Whiten
435	9	Influx	514	46	Leash	579	71	Misty	719	74	Peril	840	56	Social	2791	53	Wholly
436	9	Inhere	515	28	Leaven	580	70	Mocker	720	74	Perk	844	76	Suet	2793	53	Wick
437	9	Inject	516	21	Legal	581	70	Mode	721	74	Piazza	845	41	Suffer	2796	53	Wide
440	56	Inlet	517	21	Legion	582	72	Modify	722	74	Picked	846	123	Sugar	2799	53	Widow
441	63	Insect	518	47	Lemon	583	72	Molest	724	85	Pied	847	137	Suite	2800	53	Wife
442	63	Inside	519	28	Lesson	584	131	Molten	725	161	Piety	848	145	Sulky	2802	53	Wild
443	63	Insult	520	46	Levee	585	69	Money	726	156	Pigmy	850	59	Subjoin	2830	54	Wilful
444	57	Irony	521	28	Liable	586	69	Moping	728	18	Pilfer	851	41	Sublet	2832	54	Wince
445	57	Isle	522	29	Lick	587	69	Morass	729	18	Pillar	852	168	Sublime	2833	54	Windle
446	57	Itch	523	29	Lien	588	62	Morsel	731	17	Poach	853	104	Submit	2834	54	Wink
447	70	Ivory	524	29	Lift	589	62	Mosaic	732	22	Pocket	854	44	Suborn	2840	54	Wintry
448	128	Issue	525	14	Light	591	140	Muck	732	59	Pocket	855	22	Subsist	2951	53	Willow
452	102	Kale	526	17	Lilac	593	155	Muffin	733	22	Poetry	856	44	Subtile	2952	53	Winch
456	107	Kedge	527	17	Limber	594	98	Mulish	734	103	Poise	859	40	Such	2953	53	Window
458	108	Keen	528	65	Linch	595	98	Mumble	735	78	Polite	860	41	Suggest	2954	53	Wiry
459	106	Keeper	529	55	Linger	596	10	Mural	736	42	Pomp	861	58	Sully	3165	54	Witch
460	165	Kelp	530	47	Liquid	597	10	Muscle	737	42	Poorly	862	58	Sullen	3167	54	Wither
462	101	KerneI	531	26	Loaf	598	97	Music	738	42	Porter	865	22	Sultry	3178	53	Wisdom
464	24	Kettle	532	47	Loathe	599	97	Muslin	739	39	Potash				3205	55	Wizard

Ship as soon as possible
Ship us today

Trump
Tomato

Ship on Monday's boat
Ship on Wednesday's boat
Ship on Friday's boat

Make and ship as soon as
possible the following
Wire how soon you can
ship

Torn
Tomb

Express at once
Can ship at once
Order.....will be shipped

Tale
Tartar
Tolu

